



Office of Clean Energy Demonstrations

Administrative Question and Answer Log

This Q/A Log is intended to answer questions OCED receives pertaining to the content in NOFO DE-FOA-0003473. Content questions should be emailed to cc-oced@hq.doe.gov. Answers will be posted in OCED Exchange every Friday for the general public. No answers will be communicated through any other means, including the Q/A email. Please do not include business sensitive data or proprietary information as the questions and answers will be posted for the public. All questions should be submitted no later than 3 business days prior to the application due date. Questions submitted after this date will not be answered. Questions are assigned a number in accordance with when they are reviewed by DOE. Questions are assigned a topic area by DOE when reviewed.

Question Number	Date Submitted	Topic	Question	Answer
1	28-12-24	Teaming	In your experience, can you recommend how to find anyone interest in partnering with Academia to working on Topic Area 3 (Carbon Capture Infrastructure Planning and Design Initiative)?	The "Teaming Partner List" is available in the OCED eXCHANGE website and will be updated regularly (see page 85 of the NOFO). The extent of the list depends upon organizations and individuals who voluntarily supply their information. The list is not to be construed as an endorsement by DOE. Please also see https://www.energy.gov/fecm/carbon-matchmaker for informational resources that may be used to connect users across the CCUS industry. All information in Carbon Matchmaker is supplied voluntarily and is not an endorsement by DOE.
2	31-12-24	Teaming	I'm tracking BIL funding for the Carbon Management Program and have a couple of quick questions: Carbon Capture Demonstration Projects: \$189M announced in Sept 2022 (DE-FOA-0002738) \$1.7B announced in Feb 2023 (DE-FOA-0002962) Up to \$750M announced in Dec 2024 (DE-FOA-0003474) for TA1a&b. This totals \$2.639B, exceeding the \$2.537B appropriated by BIL. Any insights on this discrepancy? Large-Scale Pilot Program: \$820M announced in Feb 2023 (DE-FOA-0002963) Up to \$450M announced in Dec 2024 (DE-FOA-0003474) This totals \$1.27B, exceeding the \$937M appropriated by BIL. Any clarification on this discrepancy?	Not all available funding was awarded for previous announcements. Those funds roll over to the next opportunity announcement. For specific amounts awarded to each project under each funding opportunity, see the information below: Selected Projects Award Information Carbon Capture Demonstrations Program: https://www.energy.gov/oced/CCdemos For the amounts awarded to each selected project under these announcements, please see the selection announcements. Amounts Awarded through DE-FOA-0002738: https://www.energy.gov/oced/carbon-capture-demonstration-projects-program-front-end-engineering-design-feed-studies Amounts Awarded through DE-FOA-0002962: https://www.energy.gov/oced/carbon-capture-demonstrations-projects-selected-and-awarded-projects Carbon Capture Large Scale Pilot Program: https://www.energy.gov/oced/CCPilots Amounts Awarded through DE-FOA-2963: https://www.energy.gov/oced/carbon-capture-large-scale-pilot-selected-and-awarded-projects
3	31-12-24	Other	We noticed that the NOFO includes a teaming partner list and would like to inquire about the process for being included.	The "Teaming Partner List" is available in the OCED eXCHANGE website and will be updated regularly (see page 85 of the NOFO). The extent of the list depends upon organizations and individuals who voluntarily supply their information. The list is not to be construed as an endorsement by DOE. Please also see https://www.energy.gov/fecm/carbon-matchmaker for informational resources that may be used to connect users across the CCUS industry. All information in Carbon Matchmaker is supplied voluntarily and is not an endorsement by DOE.
4	31-12-24	Engagement	Can someone kindly provide me with the dates / times of upcoming webinars for carbon capture, utilization, and storage (CCUS) projects?	OCED will host an informational webinar on January 15, 2025, at noon ET to discuss the funding announcement. Register for the webinar at https://www.zoomgov.com/webinar/register/WN_kH-lka2SK8f4HYz4NHCOqI . A replay of the webinar will be available on the OCED website and the DOE YouTube page about a week after the live event.
5	03-01-25	Teaming	Is any participant interested in collaborating with academia in submitting an application?	The "Teaming Partner List" is available in the OCED eXCHANGE website and will be updated regularly (see page 85 of the NOFO). The extent of the list depends upon organizations and individuals who voluntarily supply their information. The list is not to be construed as an endorsement by DOE. Please also see https://www.energy.gov/fecm/carbon-matchmaker for informational resources that may be used to connect users across the CCUS industry. All information in Carbon Matchmaker is supplied voluntarily and is not an endorsement by DOE.
6	20-12-24	Eligibility	Does the restriction of applications from ethanol plants include CO2 from the boiler of an ethanol plant or does it only refer to the fermenter? (This is in reference to Applications specifically not of interest: Applications that propose to capture carbon from ethanol plants, natural gas processing plants, ammonia plants, steam methane reforming, or autothermal reforming.)	Applications specifically not of interest for this NOFO include "applications that propose to capture carbon from ethanol plants" (see page 24 of the NOFO). This encompasses capture of carbon emissions from any part of an ethanol plant. Upon further consideration of the NOFO language, a project capturing CO2 from process heating may be acceptable if the project is able to singularly meet the minimum CO2 capture requirements set by the NOFO. In other words, the minimum CO2 capture requirements may not be met by blending with CO2 production from fermentation that occurs in the process of making ethanol. These differences must be clearly addressed in an application and supported with data.
7	08-01-25	Application Content	According to the NOFO, the concept paper is due March 1. That's a Saturday. Can the deadline be moved to March 3? Thank you.	The deadlines cannot be moved at this time.
8	08-01-25	Eligibility	Can DOE clarify if capturing CO2 from process heating from natural gas used in an ethanol facility is an area of interest for this NOFO? The NOFO language describes carbon capture from ethanol plants as not of interest for topics 1 and 2, but it is unclear if that is only for process emissions (e.g. biogenic CO2 from fermentation) or if it includes heating as well	A project capturing CO2 from process heating may be acceptable if the project is able to singularly meet the minimum CO2 capture requirements set by the NOFO. In other words, the minimum CO2 capture requirements may not be met by blending with CO2 production from fermentation that occurs in the process of making ethanol. These differences must be clearly addressed in an application and supported with data.
9	09-01-25	Application Content	The Funding Opportunity DE-FOA-0003473 indicates that concept papers should include a summary breakdown of cash flows over the life of the project with an Initial Cash Flow Model presented in Excel format. Is there or will be a template available for such cash flow model? Many thanks in advance.	A template will not be provided.
10	10-01-25	Cost Sharing	Please see below question on FOA 3473 Topic Area 2: "It is mentioned on page 51, Financial and Market Viability for Topic Area 2, that TA2b applications should include "Budget estimate for Total Project Costs for Phases 1-4 (TA2a) or Phases 0-4 (TA2b). Are there any guidelines or restrictions on the budget amount for budget period 0 (Phase 0), and duration of budget period 0?"	Please see page 5 of the NOFO. Topic Area 2 awards are expected to range from \$75M - \$135M in federal funding, which is inclusive of Phases 1-4 and, if applicable, Phase 0 of TA2b. The minimum non-Federal cost share for Phase 0 of TA2b is 20% (see page 10 of the NOFO). As described on page 14 of the NOFO, successful completion of Phase 0 of TA2b is expected to achieve the recommended minimum capture capacity of 1,000 metric tons of CO2/year and steady-state runtime of 1,000 hours. Page 29 also clarifies that TA2b projects upon successful completion of Phase 0 will be selected to Phase 1.
11	10-01-25	Application Content	I work as a grant writing consultant and am working with a client to prepare a Concept Paper and an Application for the DOE ACED Point Source Carbon Capture Opportunity of Funding (DE-FOA-0003473). I am preparing for a meeting with my client later today and I hope you can help me with an answer to a clarifying question regarding page 13 of the NOFO, in the first paragraph of the section regarding funding priorities for Topic 1: The bolded "and" (I bolded it) in the following sentence: "TA1 will support commercial-scale demonstrations of integrated carbon capture, transport, and storage at up to one coal-fired power plant and up to two industrial plants with a minimum capture capacity of 300,000 metric tons CO2/year." could mean that an acceptable project would need both a coal-fired plant AND 2 industrial plants. While the structure of the TA1a and TA1b subsection explanations make me think that either a project integrating one or more coal-fired power generating plants OR a project integrating two or more industrial plants (that do not generate power) would be acceptable. Can you confirm that it is either/or and not both that are required?	The remaining funding will support three separate projects where one project captures CO2 from a coal-fired power plant and two individual projects capture CO2 from an industrial plant.
12	10-01-25	Eligibility	I am writing to seek clarification regarding the eligibility of carbon capture from boilers under FOA DE-FOA-0003473. Specifically, I would like to know whether capturing carbon from boilers located in refineries, chemical plants, pulp and paper facilities, or power plants is considered acceptable? As you know, these boilers operate similarly by generating steam through the combustion of fossil fuels, resulting in significant CO2 emissions, making them ALL prime candidates for decarbonization. If decarbonizing boilers in the aforementioned facilities is permissible, I am puzzled by the exclusion of boilers used in ethanol production (assumed by the FOA language on page 23, "Applications Not of Interest" - "ethanol plants"). Given that these boilers share a similar design and function, this raises questions regarding the rationale behind this distinction. It is important to note that capturing carbon from a boiler in an ethanol facility is fundamentally different and completely separate from capturing carbon from its fermentation process, representing two distinct applications within a typical ethanol production plant. While I understand the exclusion regarding carbon capture from the fermentation process—where the technology is already operating at a number of plants at TRL-9—this logic does not apply to boilers at ethanol facilities. Furthermore, the applicant's anticipated carbon capture technology for a boiler under this FOA is designed to be portable and applicable across various facilities, including ethanol plants. By supporting this versatility, the DOE could significantly expedite commercialization efforts and contribute to achieving decarbonization goals within the industrial sector, aligning with the DOE's overarching objectives to decarbonize the sector. It is also worth noting that some ethanol plants currently possess CO2 infrastructure, including pipelines and operational CO2 storage facilities. This existing infrastructure could be leveraged to substantially lower costs for both the plant and the DOE when capturing additional carbon from their boilers. The applicant is considering a first-of-a-kind solution for an ethanol plant and recognizes that minimizing costs and risks is crucial for a successful FOAK CCS project. I would like to pose the following key questions: -Is capturing carbon from boilers located in refineries, chemical plants, pulp and paper facilities, or power plants acceptable under this FOA? -Is the capture of carbon from boilers in ethanol plants acceptable under this FOA? -If capturing carbon from boilers in ethanol plants is not acceptable while it is for other facilities mentioned above, what is the DOE's basis for this exclusion?	A project capturing CO2 from gas fired boilers may be acceptable if the project is able to singularly meet the minimum CO2 capture requirements set by the NOFO. In other words, the minimum CO2 capture requirements may not be met by blending with CO2 production from fermentation that occurs in the process of making ethanol. These differences must be clearly addressed in an application and supported with data.

13	13-01-25	Cost Sharing	My organization is considering submitting a concept paper focused on TA2b, Phase 0. 1. What federal share amount or range of amounts (?) does DOE intend to provide for a TA2b, Phase 0 project? 2. What forms are required to be completed for a TA2b, Phase 0 full proposal? How would a submission package for TA2b, Phase 0 full proposal differ from a non-Phase 0 TA2b submission package? Is there a different template or different page limit for a Phase 0 technical volume or community benefits plan given the scope of the project would be smaller?	Please see page 5 of the NOFO. Topic Area 2 awards are expected to range from \$75M - \$135M in federal funding, which is inclusive of Phases 1-4 and, if applicable, Phase 0 of TA2b. The minimum non-Federal cost share for Phase 0 of TA2b is 20% (see page 10 of the NOFO). Please see page 49 of the NOFO for application technical volume package contents, which describes the specific content and associated page limits required for both TA2a and TA2b submissions.
14	13-01-25	Teaming	Will FOA-0003473 be posted in FedConnect, or will the OCED eXCHANGE be the only/primary site for finding updates, amendments, and Q&A related to this funding opportunity? Also, there is no teaming partner list available yet through the eXCHANGE site yet for this opportunity. Will a list be posted before the concept papers are due?	OCED Exchange is the best place to find updates to the Q&A, Teaming Partner List, or any other information on this NOFO. The "Teaming Partner List" is available in the OCED eXCHANGE website and will be updated regularly (see page 85 of the NOFO). The extent of the list depends upon organizations and individuals who voluntarily supply their information. The list is not to be construed as an endorsement by DOE. Please also see https://www.energy.gov/fecm/carbon-matchmaker for informational resources that may be used to connect users across the CCUS industry. All information in Carbon Matchmaker is supplied voluntarily and is not an endorsement by DOE.
15	14-01-25		Pg. 7 of the NOI calls out ammonia as a chemical production process specifically of interest for Topic Area 1B. However, pg. 24 of the NOFO calls out ammonia as specifically not of interest under both Topic 1 and Topic 2. Are ammonia production facilities no longer eligible for this funding opportunity?	Ammonia plants are not of interest for this funding opportunity. The inclusion of ammonia in the parenthetical list on page 7 of the NOI is an error, please disregard.
16	14-01-25		1. The NOFO states "Letter of commitment" to be submitted as part of the Application. Can you please elaborate on this? If there are partners (sequestration) who is supporting the project, what kind of commitment proof (LOI or MOU or binding letter) is required? 2. Can the funding be applied towards the cost of CO2 transportation, if the primary recipient is partnering with a third party who will be creating a new pipeline for the purpose? 3. Can the funding be applied towards any fee associated with sequestering, if partnering with an existing sequestration hub?	1. A traditional letter stating the participant's commitment to the project and what efforts are being committed to the project is sufficient. 2. Funding applied to the cost of the CO2 transportation system is not prohibited under TA1 and TA3, but the application of the funding to those costs must comply with the Federal financial assistance regulations at 2 CFR part 200 and any provisions set forth in the cooperative agreement between DOE and the recipient. 3. Funding applied to the cost of sequestration is not prohibited under TA1 and TA3, but the application of the funding to those costs must comply with the Federal financial assistance regulations at 2 CFR part 200 and any provisions set forth in the cooperative agreement between DOE and the recipient.
17	14-01-25		There an Excel Cash Flow Model spreadsheet template available for this NOFO?	A template will not be provided.
18	15-01-25		Can you provide me with the link to the OCED point source webinar for today?	A link to the webinar recording will be posted to OCED Exchange under this funding opportunity when the video is available.
19	15-01-25	Foreign Entities	I work for the company [REDACTED], a global corporation with several legal entities based in the US. Our for-profit legal entities incorporated in the US are 100% owned by their mother company in [REDACTED]. Having read the NOFO DE-FOE-0003473, one very essential question was raised. I hope you can help answering them. The document contains several paragraphs which are (from my point of view) contradictory. On page 8 (Other Eligibility Criteria, Foreign Entities): Prime recipients and subrecipients must be legally formed in the United States, have majority domestic ownership and control, and have a physical location for business operations in the United States. -> My interpretation: [REDACTED] would not qualify as prime recipient or subrecipient, because no "majority domestic ownership and control" And directly the next paragraph: Entities that are organized, chartered, or incorporated (or otherwise formed) under the laws of the United States or a particular state or territory of the United States and have a physical location for business operations in the United States are eligible to apply for funding as a recipient or subrecipient. -> My interpretation: [REDACTED] would qualify as recipient or subrecipient, because all requirements listed in this paragraph are met.	In order to be eligible as a domestic entity, the entity must be organized, chartered, or incorporated (or otherwise formed) under the laws of a particular state or territory of the United States or under the laws of the United States; have majority domestic ownership and control; and have a physical place of business in the United States. An entity that does not meet those requirements is considered a foreign entity and may submit an application to this NOFO, but the application must be accompanied by a waiver request for the foreign entity's participation. More information regarding the waiver request requirements can be found in the Foreign Entity Participation and Performance of Foreign Work in the United States Guidance. https://www.energy.gov/sites/default/files/2025-01/OCED_Foreign%20Entity%20Participation%20Guidance_01132025.pdf
20	15-01-25		Regarding the Initial Cash Flow Model spreadsheet that is required to be submitted March 1 along with the concept paper, should applicants follow the guidance in the "Application" instructions in the NOFO for the "Financial and Market Viability" section, item 1, Cash flow model spreadsheet, items a-h (p. 45-46 of the NOFO), listing them out in an Excel spreadsheet?	Please refer to page 39 of the NOFO for guidance: "Summary of Initial Cash Flow Model including project costs, sources of revenue, and duration of tax credits, if included. An Excel worksheet for the Initial Cash Flow Model is recommended to be included."
21	15-01-25		I am interested in partnering with any applicants in the transportation of Carbon Dioxide. Is there an opportunity for me to find interested entities via your office?	The "Teaming Partner List" is available in the OCED eXCHANGE website and will be updated regularly (see page 85 of the NOFO). The extent of the list depends upon organizations and individuals who voluntarily supply their information. The list is not to be construed as an endorsement by DOE. Please also see https://www.energy.gov/fecm/carbon-matchmaker for informational resources that may be used to connect users across the CCUS industry. All information in Carbon Matchmaker is supplied voluntarily and is not an endorsement by DOE.
22	15-01-25		In the webinar for the DE-FOA-0003473 NOFO, an announcement was made that there would be another funding opportunity released soon, for Pilot-Scale Rapid Operational Validation of Energy Infrastructure Technologies (PROVE IT), and a link was going to be added to the webinar chat. I couldn't find the link in the chat. Would you be able to share that link in the Friday Q&A release for the 3473 NOFO on the OCED eXCHANGE site?	On Jan 16, OCED released a new funding solicitation for up to \$31 million under the PROVE IT program, which aims to support small businesses as they innovate clean energy technologies in carbon capture and long duration energy storage. Step 1 of applications are due by April 7. Visit OCED Exchange for more information: https://oced-exchange.energy.gov/Default.aspx?utm_medium=email&utm_source=govdelivery#Foal4366110d-a5e0-4d72-a90e-9c3877ed955
23	16-01-25		Thank you for organizing the webinar for the Point-Source Carbon Capture Notice of Funding. I would like to inquire if OCED plans to upload the webinar recording on the OCED website or any other platform, such as YouTube. Access to the recording would be extremely helpful in gaining a more detailed understanding of this funding opportunity.	A link to the webinar recording will be posted to OCED Exchange under this funding opportunity when the video is available.
24	16-01-25	Application Content/Format	For the Cash Flow Model that is required for the concept paper and full application, will a template illustrating the recommended structure of the model be provided, or are applicants welcome to develop their own models in accordance with the breakdown provided on pages 45 & 46 of the NOFO?	A template will not be provided. Please refer to page 39 of the NOFO for guidance: "Summary of Initial Cash Flow Model including project costs, sources of revenue, and duration of tax credits, if included. An Excel worksheet for the Initial Cash Flow Model is recommended to be included."
25	16-01-25	Engagement	Thanks for the webinar below. I'm afraid I couldn't attend – will a recording be made available?	A link to the webinar recording will be posted to OCED Exchange under this funding opportunity when the video is available.
26	16-01-25		Specific to TA1 & TA2, we understand that 45Q tax credits, monetization of LCFS credits, and host facility Cap & Trade costs avoided (if enacted), in association with operation of the project during the period of performance, would not be considered program income. Please confirm. Specific to TA1, would fuel/energy costs and operations and maintenance costs of the carbon capture facilities, during the minimum 3-year Testing and Validation phase, be eligible for federal cost share? Specific to TA2, would fuel/energy costs and operations and maintenance costs of the carbon capture facilities, to satisfy the requirements of at least 1 year of large-scale pilot testing and 2,000 hours operational data under steady state at performance targets, be eligible for federal cost share?	Program income is defined at 2 CFR 200.1. As stated in OCED's Standard Terms and Conditions, tax credits are not program income. Other potential sources of income must be evaluated on a project-specific basis. Funding applied to OPEX and fuel/energy costs during Testing and Validation is not prohibited under TA1, but the application of the funding to those costs must comply with the Federal financial assistance regulations at 2 CFR part 200 and any provisions set forth in the cooperative agreement between DOE and the recipient. Federal Funding for Phase 4 activities can include the costs pertinent to testing and operations under TA2, but the application of the funding to those costs must comply with the Federal financial assistance regulations at 2 CFR part 200 and any provisions set forth in the cooperative agreement between DOE and the recipient.
27	17-01-25	Application Content/Format	I am not seeing the Concept Paper Template for DE-FOA-0003473 on eXCHANGE. It looks like there are only FA templates. Can you please tell me where to find the CP template?	There is not a template for the Concept Paper.