

48C Concept Paper Template:

Clean Energy and Critical Materials Manufacturing and Recycling

PROJECT OVERVIEW AND SCHEDULE

- I. Company Description:** Describe your company and project team, including key personnel and any subcontractors on the project. *(700 character limit)*

- II. Project Description:** Describe whether the project will establish, re-equip, or expand a facility; whether the facility will support the manufacturing, processing, refining, or recycling of specified advanced energy property; and the extent to which innovative equipment and/or processes will be employed. *(1,500 character limit)*

- III. Schedule:** Describe the status of the project and provide any additional details that are helpful to understand the project schedule. *(700 character limit)*

- IV. Project Site Selection and Permitting:** List local, state, and/or federal permits that are required for this project and specify which of these permits you already possess. For any permits you have yet to obtain, describe the remaining steps and provide an estimated timeline for their acquisition. *(650 character limit)*

TECHNICAL REVIEW CRITERIA: COMMERCIAL VIABILITY

I. Market Demand and Competitiveness:

Describe the specified primary advanced energy property that will be produced by the facility, including how many units of specified advanced energy property will be produced annually and any technological or cost advantages over product competitors. *(675 character limit)*

Provide an estimate of annual market demand for the facility’s product over the next 5 to 10 years. *(675 character limit)*

Describe the primary or target customers for your facility’s product and the details of any existing offtake agreements or other demand commitments (e.g., with whom, for how many units, and for how long). *(675 character limit)*

II. Financing: Describe the different sources of financing for this project, differentiating between secured financing and planned or expected financing. Describe the capital structure (e.g., debt/equity ratio) if multiple sources of capital will be used. If financing

using the company's own funds, specify the amount of cash available to support this project.
(675 character limit)

III. Risk Mitigation Strategy: Describe anticipated legal, financial, engineering, procurement, construction, and operational risk(s) that the project may experience. Explain what actions the project team will implement to mitigate these risks and achieve execution and commercial success. *(900 character limit)*

TECHNICAL REVIEW CRITERIA: STRENGTHENING U.S. SUPPLY CHAINS AND DOMESTIC MANUFACTURING FOR A NET-ZERO ECONOMY

Describe the supply chain segment that your project's specified advanced energy property will contribute to. Explain whether your project will mitigate current challenges that the U.S. is experiencing in maintaining a secure domestic supply chain, based on where the product is manufactured today and a comparison between the proposed manufacturing capacity and current and projected market demand. *(700 character limit)*

TECHNICAL REVIEW CRITERIA: GREENHOUSE GAS EMISSIONS IMPACTS

Describe the impact of your facility's product and/or the technologies the product will enable on greenhouse gas emissions. *(700 character limit)*

TECHNICAL REVIEW CRITERIA: WORKFORCE AND COMMUNITY ENGAGEMENT

I. Project Location

Provide the anticipated geographical location of the eligible manufacturing, processing, refining, or recycling facility, including the census tract the project is located in. Explain why you selected the project site. *(675 character limit)*

Does the location qualify as a 48C energy community? (see Appendix C of Notice 2024-36 for the full list of 48C energy community Census tracts) Yes No

Does the location or community qualify as a disadvantaged community according to the [Climate and Economic Justice Screening Tool](#) (CEJST)? Yes No

Does the location or community qualify as a disadvantaged community according to a different federal, state, or local data tool? Yes No

If yes, indicate which one(s). *(590 character limit)*

Describe the extent to which the project will (1) support transition opportunities for workers in the coal, automotive, and other energy sectors, and (2) use existing infrastructure in energy transition communities. *(590 character limit)*

II. Job Creation and Workforce Continuity: Describe the extent to which the project will secure job quality (e.g., wages, benefits, health and safety at the workplace, affirmative support of collective bargaining). *(1,000 character limit)*

III. Ensuring Timely Project Completion Through Workforce and Community Engagement: Describe what labor and community engagement has been completed and/or is planned. Summarize any formal agreements that are planned or have been executed (e.g., Project Labor Agreements, Community Benefits Agreements, Collective Bargaining Agreements). *(1,000 character limit)*

IV. Local Environmental Impacts: Describe any pollutants that the project will introduce to the local community, and explain what specific, measurable steps the project is taking beyond compliance with environmental law to mitigate local environmental impact. *(1,000 character limit)*