



EDF

Office of Energy Dominance Financing

Part I Application Instructions for the

Title 17 Energy Financing Program

Including the Energy Dominance Financing Program (EDFP)



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Contents

- Part I Application 3**
- Submission Requirements..... 6**
 - A. Application Information..... 6
 - B. Organization 8
 - C. Project Description 9
 - D. Technical Information..... 12
 - E. Legal and Regulatory Information..... 18
 - F. Application Certifications..... 20
- Attachments 23**
 - A1. GHG Emissions Data Requirements 23
 - A2. Waiver Request for Foreign Entity Participation..... 24
 - A3. Application Submission Instructions 27
 - A4. Status Updates 29
- Appendix..... 30**
 - Item 1. Federal Certifications..... 30
 - Item 2. Lifecycle GHG Emissions Data Worksheets 31

**** NOTE: Full Title 17 Energy Financing Program Guidance and Part II Application Instructions are provided under separate cover.**

**** NOTE:** *This document describes requirements for the Part I Application to the Department of Energy (DOE) Office of Energy Dominance Financing (EDF) Title 17 Energy Financing Program. For more information about the program, please visit [Energy.gov/EDF](https://www.energy.gov/EDF) and refer to the Program Guidance document. To proceed with the Part I Application, please prepare responses to all items, consistent with the instructions below.*

Part I Application

The intent of the Part I Application is to determine the project's eligibility and readiness to proceed through the application process. EDF strongly recommends that the Applicant engage in a pre-application consultation with EDF staff prior to submission. Applicants must file Part I and Part II submissions via the DOE Office of Energy Dominance Financing's online application portal ("Application Portal"). Specific instructions regarding the Application Portal can be found in Attachment A3 (Application Submission Instructions).

Refer to Section VI (Additional Provisions) of the Title 17 Program Guidance for guidance on the steps an Applicant must take to restrict the use and disclosure of certain data submitted in the Application.

The following table summarizes key items for attention during a Part I Application, including those items that are unique to each Title 17 project category.

TITLE 17 PROJECT CATEGORY	1703			1706
	Innovative Energy	Innovative Supply Chain	SEFI	Energy Dominance Financing (EDF)
Pre-application consultation(s)	Yes	Yes	Yes	Yes
Application Information (Section A)	Yes	Yes	Yes	Yes
Organization Details (Section B)	Yes	Yes	Yes	Yes
Project Description (Section C) including: <ul style="list-style-type: none"> Executive Summary Project Category Project Sponsors’ Capabilities and Relevant Experience 	Yes	Yes	Yes	Yes
SEFI Description and Qualifications			Yes	
Details of qualifying Energy Infrastructure or the project enabling the provision of known or forecastable electric supply				Yes
Description of the nexus of qualifying Energy Infrastructure with new investment				As applicable
Technical Information (Section D), including: <ul style="list-style-type: none"> Description of project design Diagrams Acquisition Strategies Critical Path Agreements Status Planning Documents Status 	Yes	Yes	Yes	Yes
Pollution Control and Emissions Information	Yes	Yes	Yes	
Description of New or Significantly Improved Technology	Yes	Yes		
Front-End Engineering Design (FEED) study	Encouraged	Encouraged	Encouraged	Encouraged
Lifecycle GHG Emissions Data Worksheet	As applicable	As applicable	As applicable	
Legal and Regulatory Information (Section E), including: <ul style="list-style-type: none"> Status and Timelines for Regulatory Approval Federal Support Other Governmental Support 	Yes	Yes	Yes	Yes
Application Certifications (Section F)	Yes	Yes	Yes	Yes

Applicants must enter the information requested in Section I.A directly into the text fields provided in the Application Portal. The information requested in the remaining sections can be provided as a narrative structured according to the outline provided below or through inclusion of supporting documentation (or both). Applicants should tailor their responses based on their reasonable judgement of the project. Applications should avoid duplication of information and excessive detail to allow EDF to conduct an efficient evaluation of the Part I Application. EDF will contact the Applicant if there are any questions or if additional information is required. Additional detail will be requested in the Part II Application.

Sections that are addressed through supporting documentation should include specific references by document name, section, and page number to facilitate review of the Application. Submissions should be provided in PDF or Excel documents uploaded through the Application Portal.

Submission Requirements

A. Application Information

The following information should be entered directly into the EDF Application Portal. Applicants may consult with EDF staff in advance of submission to ensure that information is written at the appropriate level of detail for entry to the portal.

1. Project Information:

- a. Project name (a descriptive, short summary of the project not to exceed 3 words)
- b. 1703 Eligible Technologies (from drop-down menu)
- c. EDF Category (from drop-down menu)
- d. Project/generation capacity (in Megawatts, Gallons per Year, Tons per Year, or Other)
- e. Project location: Street address, city, state, zip code for all project locations.

2. **Project Sponsor(s):** For each Project Sponsor with equity of five percent (5.0%) or more, indicate entity name, website address, mailing address, city, state, postal code, contact first name, contact last name, contact title/position, contact phone, and contact email. Indicate which sponsor is the lead sponsor (the project must have one lead sponsor).

3. **Applicant Information:** Applicant entity name, website address, mailing address, city, state, postal code, SAM number (if available¹), NAICS code, primary contact information including first name, last name, title/position, phone, and email.

¹ If not provided in Part I, SAM number will be required at time of Part II Application.

4. **Preliminary Questions:** Answer the following questions. If the answer to any of these questions is “No,” include an explanation of the circumstances that cause the answer to be “No” in the space provided.
 - a. Do you confirm you have read and understand the U.S. Department of Energy Loan Programs Office Title 17 Energy Financing Program Guidance?
 - b. Is the Applicant legally authorized to enter into loan guarantee transactions and in good standing with the U.S. Department of Energy and/or any other federal agency loan guarantee program?
 - c. Is the Applicant current on payment of all amounts owed to the federal government?
 - d. Will the Project be built and operated entirely within the United States or its territories?
 - e. Do you confirm that to the best of the Applicant’s knowledge, after making diligent inquiry, that no project participant has been charged with or convicted of a misdemeanor or felony (other than routine traffic violations) or been involved in any securities litigation?
 - f. Is the Applicant free of any active or pending lawsuits?
5. **Summary of Loan Guarantee Request:** Provide the information in the table that appears on the portal:
 - a. Requested period of guarantee (years)
 - b. Total Project Costs
 - c. Proposed Office of Energy Dominance Financing guarantee amount
 - d. Debt and equity amounts (the sum of the amount entered for debt and the amount entered for equity should equal the amount entered for total Project Costs)

B. Organization

This information should be written in a separate document, for upload to the Application Portal.

1. **Key Staff:** List the full names (including middle name or initial) of key staff to be involved with the Project and one paragraph professional bios.
2. **Applicant Organizational Chart:** Provide a current Applicant organizational chart indicating key staff names and functions.
3. **Project Organizational Chart:** Provide a current or proposed project organizational chart showing the Applicant's relationship to each Project Sponsor, the project, and to any subsidiaries or affiliates of any Project Sponsor involved in the project. The organizational chart should also include information regarding each Person that holds or controls 10% or more of the voting or economic interests in any Project Sponsor. Include the legal structure (e.g., corporation, partnership, or LLC) of each entity listed in the organizational chart. Include a short narrative description of the chart indicating the status and plans, if any, to create any entity.
4. **Evidence of Authority:** Submit evidence that the signatory of the Application has authority to bind the Applicant to the commitments and representations made in the Application and attests as to the accuracy of the information provided in the Application. Potential examples of authority include corporate resolutions, bylaws, or entity agreements.

C. Project Description

This information should be written in a separate document, for upload to the Application Portal.

1. **Executive Summary:** Provide a description of the nature and scope of the project, including the technology used, a brief overview of the business plan with a focus on the revenue model, and a brief overview of the financing plan with a focus on sources and uses of funding. Include plans for and current status of any equity raise and site acquisition or preparation. Describe any environmental resources affected, project purpose, size, capacity, design features, key metrics, and key milestones. Include target dates for:
 - a. Financial close of the Loan Guarantee Agreement;
 - b. Commencement of site preparation and construction;
 - c. Commercial operation; and
 - d. Marketing the output.
2. **Project Category:** Provide an explanation of how and to what extent the project falls under a category of Title 17 eligible projects (see Section III of the Program Guidance). Applications may fall within more than one category.
3. **Project Sponsors' Capabilities and Relevant Experience:** Describe each Project Sponsor's prior experience as it relates to carrying out undertakings similar to the one being proposed, financial strengths, investment in the venture to date and as anticipated during the construction and operation phases of the venture (i.e., continuing financial support), and proposed equity investment in the project, as well as the project's strategic significance to each Project Sponsor. Applicants that are not able to include examples of successful implementation of similar project plans for projects of this scale should provide a description of prior and related experience that they believe is sufficient to demonstrate to DOE that they have the expertise that would be evidenced in examples of successful implementation of similar project plans for projects of this scale.

4. **SEFI Description and Qualifications (SEFI projects only):** Submit information to evidence a proposed SEFI's eligibility under this project category. This can include details of the proposed SEFI's formation, its relationship to the state or state agency, and program purposes. Information provided for this purpose could include formation and/or organizational documents, legislative history, legislative or regulatory language, mission statement, bylaws, or other language regarding the intended purposes of the organization.
5. **Details of Energy Infrastructure (EDF projects only):** For projects qualifying under section 1706(a)(1) that "retool, repower, repurpose, or replace Energy Infrastructure," provide a description of the Energy Infrastructure that has ceased operations, including details of its location, historical uses including past outputs (capacity, energy, MMBtus, gallons, or other), reasons for ceased operations, current and recent ownership structure, existing permits or other rights, and a description of its remaining useful assets. Be sure to include a description of the most recent use of the site and infrastructure.

For projects qualifying under section 1706(a)(2) that "enable operating Energy Infrastructure to increase capacity or output," provide a description of the Energy Infrastructure associated with the proposed project, details of its location, historical uses including past outputs (capacity, energy, MMBtus, gallons, or other), current and recent ownership structure, existing permits or other rights, and the manner in which that infrastructure will be modified (some details can be included by reference to the Technical Information section). Applications should include engineering plans and analysis detailing the applicable technologies and their site-specific designs.

For projects qualifying under section 1706(a)(3) that "support or enable the provision of known or forecastable electric supply at time intervals necessary to maintain or enhance grid reliability or other system adequacy needs," provide a description of the proposed project's connection to the touchstones of electricity supply including proposed outputs (generation capacity, storage capacity, miles of transmission line, or other), current or proposed ownership structure, and status of permits or other rights.

Applications should include engineering plans and analysis detailing the applicable technologies and their site-specific designs.

- Description of Project Nexus with Existing or Retired Energy Infrastructure (required for EDF 1706(a)(1) or (a)(2) projects only, to be included as applicable for projects qualifying under 1706(a)(3)):** For EDF projects that involve Energy Infrastructure that has or will cease operations, provide a detailed description of the nexus between the Energy Infrastructure ceasing operations and new investments associated with the project including how project costs supported by the EDF loan guarantee will support new uses for, or replace, that Energy Infrastructure.

As applicable, identify or include integrated system plans and relevant regulatory approvals that demonstrate ways in which new investments will replace the services no longer provided by the legacy infrastructure, or will utilize legacy infrastructure for new uses. Applicants are encouraged to speak with EDF staff to discuss qualifying documents or plans that can demonstrate the status and, as applicable, closure plans for infrastructure.

D. Technical Information

This information should be written in a separate document, for upload to the Application Portal.

Necessary technical information varies depending on the nature of the Title 17 project. Applicants should work with EDF staff to ensure they provide the correct details for their application.

1. **Description of Project Design (all projects):** Provide a technical description of the project, including key outputs, inputs, and processes involved in the project design.
2. **Description of New or Significantly Improved Technology (Innovative Energy and Innovative Supply Chain projects only):** Provide a description of the New or Significantly Improved Technology to be used in the project and a description of how and why the technology is new or significantly improved compared to technology already in general use in the commercial marketplace (i.e., the business-as-usual case) in the United States (see definition of New or Significantly Improved Technology in Section III of the Title 17 Program Guidance). Describe the commercial feasibility of the technology(ies) and how the project intends to employ such technology(ies). Describe how the Applicant assures, to the extent possible, that success of the project will lead to further commercial availability of the technology(ies) in the United States (i.e., replicability). For applications for an Innovative Supply Chain project, identify whether the innovation or improvement is applicable to (1) the manufacturing process of the qualifying product or (2) to the resulting product itself, and describe how that improvement meets New or Significantly Improved Technology requirements described in the Program Guidance.

If the project has more than one location, include a description of how the project qualifies as a single, integrated project with a common or related output. Expanded detail for the integrated and comprehensive business plan is required in the Part II Application; this Part I detail provides initial qualifying details for EDF's consideration of project eligibility.

3. **Diagrams (all projects):** Provide conceptual level diagrams with descriptions outlining general plant layout, process and materials flows, and operating parameters and throughputs for key processes. Include any supporting photos, maps, or drawings.
4. **Front-End Engineering Design (FEED) study (encouraged for all projects):** A Front-End Engineering Design (FEED) study is particularly useful as it serves to convey that the technical requirements as well as rough investment cost for the project have been thoughtfully considered. A FEED study can also support EDF’s review to confirm commercial readiness of the project.
5. **Acquisition Strategies (all projects):** Provide a description of key raw material, equipment, and component supply chain acquisition strategies as well as any deployment-related services such as construction, installation, sales, and/or service infrastructure required for startup or commissioning the project.
6. **Critical Path Agreements Status (all projects):** Provide a status for each critical path contract and agreement, such as a front-end engineering agreement, technology licensing and teaming agreements, Engineering, Procurement, and Construction (“EPC”) contracts, long-lead contracts, feedstock agreements, and plant offtake or sales contracts. Use the table below and expand or modify as needed.

Agreement	Status	Comment
Front-End Engineering Design (FEED) (if applicable)		
Technology Licensing		

Teaming Agreement		
Operating Agreement		
Engineering, Procurement and Construction Contract		
Long-Lead Equipment Contracts		
IP and Licensing Agreements		
Feedstock Agreements		
Offtake or Sales Contracts		

Status: 1. Not started, 2. Initiated, 3. Completed, 4. N/A (for items marked 1 or 2, please identify the estimated completion date in the “Comments” column).

7. **Planning Documents Status (all projects):** Provide a status of the construction plan (including site acquisition and equipment deployment, as applicable), operation and maintenance plan, waste disposal plan, and preliminary risk management plan. Use the table below and expand or modify as needed.

Document	Status	Comment
Construction Plan		
Operation and Maintenance Plan		
Waste Disposal Plan		
Risk Management Plan		

Status: 1. Not started, 2. Initiated, 3. Completed, 4. N/A (for items marked 1 or 2, please identify the estimated completion date in the “Comments” column).

8. **Pollution Control and Emissions Information (1703 Innovative Energy, Innovative Supply Chain, and SEFI projects only):** Provide an explanation of how and to what extent the project avoids, reduces, utilizes, or sequesters air pollutants or anthropogenic emissions of greenhouse gases. Include a description of the project design and technologies that will be

employed to conduct this pollution and emissions abatement. Technical descriptions and engineering reports can be included; a more complete technical description will be required as part of the Part II Application to support EDF's review of the project's technical readiness. Identify and describe any assumptions made in an Applicant's assessment of emissions reductions, including a comparison to the baseline or business-as-usual case.

9. **Greenhouse Gas (GHG) Emissions Data Worksheet (1703 projects as applicable):** EDF conducts a GHG emissions analysis of proposed projects. Applicants should provide a Summary GHG Emissions Data Worksheet, described in Attachment A1, to account for system inputs and outputs to be used by EDF in this analysis. Attachment A1 must be completed by applicants for projects that provide product-based outputs (including but not limited to electricity, chemicals, fuels, and manufacturing projects), industrial process projects, or other projects that result in air emissions to function. EDF will use this information at its discretion for the GHG emissions analysis.

Applicants do not need to complete the Summary GHG Emissions Data Worksheet in Attachment A1 for the following types of projects applying under the Innovative Energy and SEFI project categories (applications for all other types of projects must include the worksheet, unless otherwise directed by EDF):

- Renewables and Nuclear Generation – for such projects, EDF will calculate the emissions avoided using the Environmental Protection Agency's Emissions & Generation Resource Integrated Database (eGRID).
- Energy Storage Deployment – for such projects, EDF will perform a qualitative analysis that takes into consideration the means by which the project contributes to more efficient operation of the grid and/or facilitates the greater penetration and utilization of variable renewable energy resources. Applicants are encouraged to specifically address this aspect in the Part I Application.

- End Use Efficiency Technologies – Applicants deploying End Use Efficient technology should provide sufficient information regarding the proposed energy efficiency solution and/or system (such as hardware, software, artificial intelligence, or cloud computing), and clearly identify the innovative features employed that achieve said energy efficiency savings. Quantitative assessments are encouraged.

EDF recognizes there is a wide range of energy solutions eligible for financing, and that there will be projects that do not fit squarely into the above scenarios. As such, applicants are encouraged to address the specific emissions information required during a pre-application consultation with EDF.

E. Legal and Regulatory Information

This information should be written in a separate document, for upload to the Application Portal.

1. **Status and Timelines for Regulatory Approval:** Provide as a table the status and timelines for all required federal, state, and local permits, approvals, or reviews, including any relating to environmental matters. The table should include the date on which each approval was or is anticipated to be applied for, and the date on which each approval was or is anticipated to be completed or received.
2. **Litigation:** Disclose any current, threatened (in writing), or pending litigation involving the Applicant, a Project Sponsor, or, to the Applicant's knowledge, any other relevant party, related to permitting, public involvement, environmental issues, construction defects, fraud, securities fraud, conflict of interest, failure to perform under a local, state, or federal contract, or other charges which may reflect on the Applicant's, or any Project Sponsor's, reputation, financial position, or ability to complete the Project.
3. **Federal Support:** If the project is expected to benefit directly or indirectly from certain other forms of federal support, provide a description of each such federal support. Examples of federal support include: federal grants; other loan guarantees from federal agencies or entities, including DOE; agreements for federal agencies or entities to serve as a customer or off-taker of the project's products or services; or other federal contracts that support the project such as acquisitions, leases, and other arrangements. The Applicant should separately identify any previous federal support that the project or related technologies have received.

The Applicant should also indicate any federal income tax benefits the Applicant is anticipating and methods for achieving enhanced tax benefits through prevailing wage and apprenticeship requirements, domestic content, energy communities, low-income communities, or public housing.

4. **Other Governmental Support:** If the project is or anticipates receiving non-federal governmental (including state and local) incentives or other

assistance to support the financing, construction, and operation of the project, provide a list of all non-federal governmental support with a description of each such non-federal governmental support. Examples of non-federal governmental incentives or assistance may include grants, tax credits, incentives, guaranteed offtake agreements, and other loan guarantees. Provide detailed information on what commitments and obligations (such as community engagement, minimum wages, jobs created) were made for each such non-federal governmental support. Identify any reporting or application obligations associated with the non-federal governmental support, including future reporting and copies of any reporting made to date (or provide reference to where included elsewhere in this Part I Application). Indicate whether any such incentives or assistance are subject to clawback and the circumstances under which a clawback could occur. The Applicant should separately identify any previous other governmental support that the project or related technologies have received.

A SEFI supported project application should specifically include (or cross-reference where included elsewhere in this Part I Application):

- a. Evidence or rationale substantiating that the SEFI-provided financial support or credit enhancements to the project are meaningful;
- b. Information regarding the status and certainty of receiving each expected form of support;
- c. The timeline and milestones relevant to each expected form of support;
- d. Any relevant documents describing the SEFI support, including description of program (if applicable), intent, history, or other relevant details.

F. Application Certifications

Separate documents for upload to the Application Portal.

1. **Lobbying, Debarment, and Related Certifications and Assurances:** In submitting an application for a loan guarantee under Title 17, Applicants must provide certain certifications and assurances contained in the form entitled "Certifications for Use with Applications for Department of Energy Loan Guarantees under Title XVII of the Energy Policy Act of 2005" (see Appendix Item 1).
2. **Letter of Commitment:** For an application to be considered under this Guidance, Part I must include a letter of commitment signed by an authorized representative of the Applicant in the form provided under "Sample Letter of Commitment."

3. **Penalty of Perjury Statement:** The following certification must be included with each Application:

The undersigned certifies that the data and information submitted and the representations made in this Application and any attachments to this Application are true and correct to the best of the Applicant’s knowledge and belief after due diligence, and the Applicant has not omitted any material facts. The undersigned further certifies that [s]he has full authority to bind the Applicant.

Applicant (Organization Name)

Name of Applicant’s Authorized Officer
(will fulfill on-line certification)

Signature of Authorized Officer
(for paper copy only)

Title of Authorized Officer
Applicant (Organization Name)

Date

SAMPLE LETTER OF COMMITMENT

[DATE]

Director
U.S. Department of Energy, Office of Energy Dominance Financing
1000 Independence Avenue, SW
Washington, DC 20585

Dear Director:

This letter confirms our intent to seek a loan guarantee under the Title 17 Energy Financing Program.

We have met all requirements as specified in [the [Title 17 Energy Financing Guidance Document] most recently updated on ____, 20__ (the "Guidance Document")], including all attachments to the Guidance Document.

We are committed to diligently implementing the project as described in our Application, including initiating and completing the project in a timely manner with a view to closing the financing on or about xx/xx/20__.

If we decide to withdraw from consideration for a loan guarantee at any time, we will notify DOE in writing of that decision as soon as possible.

Sincerely,

Signature of Authorized Officer

[Name]

Attachments

A1. GHG Emissions Data Requirements

As required for applicable projects (see Section D, Part 9 in the Part I Application for exemptions), a GHG Emissions Data Worksheet is to be filled out and provided as part of the Part I Application. (See Appendix Item 2 for a Lifecycle GHG Emissions Data Worksheet.) The Applicant may also provide reports, including those done by an independent company or government agency, to allow EDF to assess the GHG emissions from the proposed project. EDF will use this information at its discretion for GHG emissions analysis.

Applicants should err on the side of providing more information to explain a situation rather than the minimum amount needed to comply with the data request. Where data is absent or of low quality, EDF will request additional information from applicants or will make reasonable estimates to fill data gaps.

In addition, applicants are encouraged (but not required) to submit the following information:

- Define the scope: State the systems included in the scope of the project, and specifically state the systems not included in the scope of the project;
- Define the functional unit: Describe the outputs of the project and how they will be utilized downstream of the project;
- Include a process flow diagram: Indicate on the diagram that data is provided in the data collection template for all processes shown in the diagram, or clearly show in the diagram for which processes the applicant has provided data and for which processes data is absent.

A2. Waiver Request for Foreign Entity Participation

As set forth Section III (Project Eligibility), all borrowers receiving a loan guarantee under Title 17 must be incorporated (or otherwise formed) under the laws of a state or territory of the United States and have a physical location for business operations in the United States. To request a waiver of this requirement, an applicant must submit an explicit waiver request in the Part I Application.

Waiver Criteria

Foreign entities seeking to participate in a project funded under Title 17 must demonstrate to the satisfaction of DOE that:

- a. Its participation is in the best interest of the United States industry and United States economic development;
- b. The project team has appropriate measures in place to control sensitive information and protect against unauthorized transfer of scientific and technical information;
- c. Adequate protocols exist between the United States subsidiary and its foreign parent organization to comply with export control laws and any obligations to protect proprietary information from the foreign parent organization;
- d. The work is conducted within the United States and the entity acknowledges and demonstrates that it has the intent and ability to comply with the U.S. Competitiveness Provision; and
- e. The foreign entity will satisfy other conditions that may be deemed necessary by DOE to protect United States government interests.

Content for Waiver Request

A Foreign Entity waiver request must include the following:

- a. Information about the entity: name, website, point of contact, and proposed type of involvement in the project;

- b. Country of incorporation, the extent of the ownership/level control by foreign entities, whether the entity is state owned or controlled, a summary of the ownership breakdown of the foreign entity and the percentage of ownership/control by foreign entities, foreign shareholders, foreign state or foreign individuals;
- c. The rationale for proposing a foreign entity participate (must address criteria above);
- d. A description of the project's anticipated contributions to the United States economy;
 - i. How the project will benefit United States research, development and manufacturing, including contributions to employment in the United States and growth in new markets and jobs in the United States;
 - ii. How the project will promote domestic American manufacturing of products and/or services;
- e. A description of how the foreign entity's participation is essential to the project;
- f. A description of the likelihood of Intellectual Property (IP) being created from the work and the treatment of any such IP; and
- g. Countries where the work will be performed (Note: if any work is proposed to be conducted outside the United States, the applicant must also complete a separate request foreign work waiver).

DOE may also require:

- a. A risk assessment with respect to IP and data protection protocols that includes the export control risk based on the data protection protocols, the technology being developed and the foreign entity and country. These submissions could be prepared by the project lead (if not the prime borrower), but the prime borrower must make a representation to DOE as to whether it believes the data protection protocols are adequate and make a representation of the risk

assessment – high, medium or low risk of data leakage to a foreign entity.

- b. Additional language be added to any agreement or sub agreement to protect IP, mitigate risk or other related purposes.

DOE may require additional information before considering the waiver request.

DOE's decision concerning a waiver request is not appealable.

A3. Application Submission Instructions

Applicants must file Part I and Part II submissions via the DOE Office of Energy Dominance Financing's online Application portal ("**Application Portal**"). Supporting documents for Applications will be accepted only in the following formats: Microsoft Excel or Adobe PDF. Do not encrypt, compress, or zip any files.

A. Application Portal Submission Process

EDF offers pre-application consultations to prepare prospective applicants for the application process. If you have already had pre-application consultations with EDF, please email or call your EDF staff contact for instructions on how to access the Application Portal.

The Application Portal provides a process for making corrections to an application if substantive changes or additions are required after it has been submitted.

B. Portal Registration

When submitting a Part I Application via the Application Portal, Applicants are encouraged to include the following:

1. A North American Industry Classification System ("NAICS") code; and
2. A registration number from the federal System for Award Management ("SAM"). A SAM number will be required for the Part II Application.

C. Formatting Instructions

Applicants should provide all requested information in the following format:

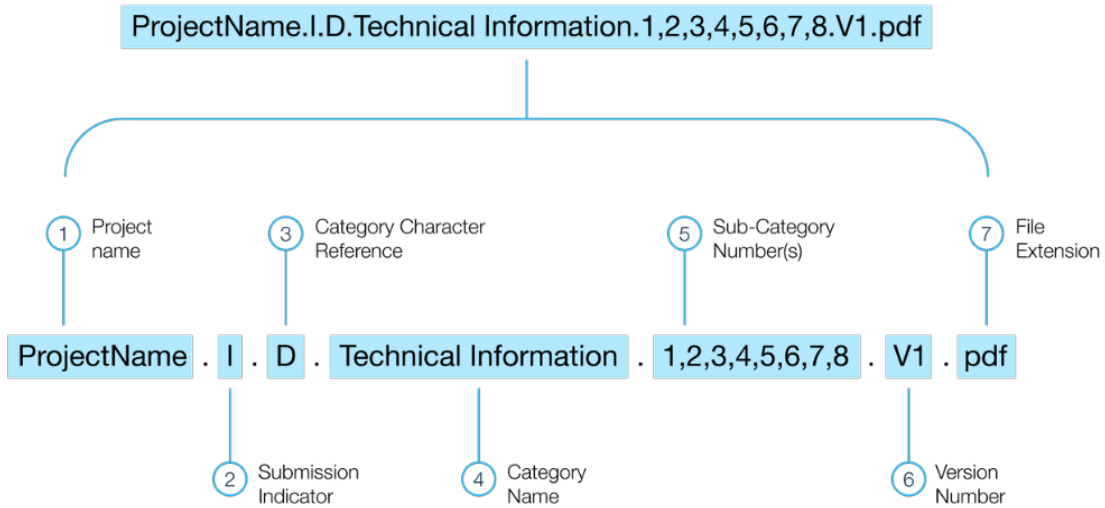
1. Documents supporting and forming any part of an application should:
 - a) Be typed in 11 point or greater font;
 - b) Conform to [the outlines given in Appendix A and Appendix B]. Adhere to a format consisting of standard 8.5" x 11" paper; and
 - c) Have at least 1" margins (top, bottom, left, and right) with exceptions for charts, graphics, and similar materials.

2. Applicants should provide a “short name” or other identifier that will allow for easy identification of the project.

3. The file naming standard that DOE will use for uploaded files is specified in Table 1. Certain documents uploaded through the Application Portal will be renamed automatically to conform to this convention, as shown in the example that follows Table 1.

Table 1			
Order #	File Name Identifier	Identifier Specified as	Following separator
1	Project Name	Project Name	Period
2	Part I or Part II Submission Indicator	Roman numeral	Period
3	Category Character Reference	Capital letter identifier for the section in the Guidance specifying the document category	Period
4	Category name	Name of the section in the Guidance specifying the document category	Period
5	Sub-category Number(s)	Number identifier for the sub-section in the Guidance specifying the document sub-category. If multiple sub-categories apply, list the sub-categories as a comma-separated list in ascending numeric order.	Period
6	Version Number	Capital ‘V’ followed by the next consecutive version number in the system. The first version of any document is specified as 1.	Period
7	File Extension	File extension representing the file type	NONE

Example:



A4. Status Updates

In connection with an invitation to Part II of the application process, the Applicant will be provided a primary point of contact for any questions that the Applicant may have regarding the Application. Additionally, if DOE does not make a final decision on an Application by the date that is 180 days after receipt of a complete Part II Application, the Applicant may request, not more than once every 60 days thereafter, the current status of the Application, a summary of any factors that are delaying a final decision on the Application, a list of what items are required in order to reach a final decision, citation to authorities stating the reasons such items are required, a list of actions the Applicant can take to expedite the process, and an estimate of when a final decision on the Application will be made.

Appendix

Item 1. Federal Certifications

**CERTIFICATIONS FOR USE WITH APPLICATIONS FOR DEPARTMENT OF ENERGY
LOAN GUARANTEES UNDER TITLE XVII OF THE ENERGY POLICY ACT OF 2005**

The following certifications must be completed and submitted by applicants with each application for a loan guarantee under Title XVII of the Energy Policy Act of 2005 (Public Law 109-58, August 8, 2005) as amended after 2005 ("Title XVII") and other applicable laws and regulations, as set forth herein. The name and title of the person responsible for making the certifications and assurances must be typed in the signature block on the certification form.

These certifications shall be treated as material representations of fact upon which reliance will be placed when the Department of Energy determines whether to issue a loan guarantee under Title XVII. If it is later determined that the applicant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the Department of Energy may terminate the loan guarantee.

The applicant shall provide immediate written notice to the U.S. Department of Energy Office of Energy Dominance Financing (EDF) if at any time the applicant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

Additional certifications and assurances may be required of the applicant as a condition on the receipt of a loan guarantee under Title XVII.

1. LOBBYING

The undersigned states, to the best of his or her knowledge and belief, that:

If any funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$110,000 for each such failure.

2. DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS

- a) The applicant participant certifies to the best of its knowledge and belief, that it and its principals are in compliance with the Federal regulations providing Office of Management and Budget guidance for Federal agencies on the government-wide debarment and suspension system for non-procurement programs and activities at 2 CFR part 180, including any subsequent amendments of those regulations.

- b)** The applicant certifies that it and its principals:
- (i)** Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - (ii)** Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public or private agreement or transaction; violation of Federal or State antitrust statutes, including those proscribing price fixing between competitors, and bid rigging; commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, receiving stolen property, making false claims or obstruction of justice; or commission of any other offense indicating a lack of business integrity or business honesty that seriously and directly affects the applicant's present responsibility;
 - (iii)** Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (ii) of this certification; and
 - (iv)** Have not within a three-year period preceding this application had one or more public transactions (Federal, State or local) terminated for cause or default.
- c)** Where the applicant is unable to certify to any of the statements in paragraph (b) of this certification, such prospective participant shall submit an explanation to the U.S. Department of Energy Office of Energy Dominance Financing (EDF).

SIGNATURE

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above certifications.

Name of Applicant:

Printed Name and Title of Authorized Representative:

SIGNATURE

DATE

Item 2. Lifecycle GHG Emissions Data Worksheets

LIFECYCLE EMISSIONS WORKSHEET

US Department of Energy
 Energy Dominance Financing Office
 Summary Lifecycle GHG Emissions Data Worksheet

ENERGY AND MATERIAL INPUTS AND EMISSIONS

PRIMARY PRODUCT for which the data are required:

List of annual production of all products:

Time period for when the data are relevant:

Company name:

Address:

Contact person:

Date:

(a)

(b)

(c)

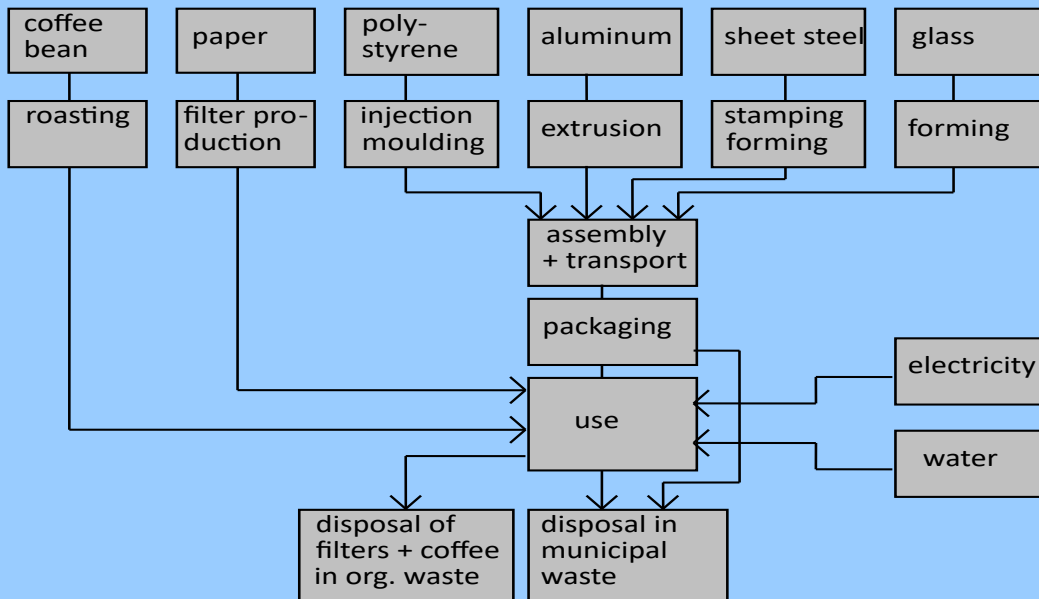
The fields marked in red are manual inputs. Actual or estimated data should be provided.

Fields marked in blue are automatically populated and should not be adjusted.

E1. | Process Flow Diagram

On a separate worksheet, please provide a flow diagram showing the proposed processes -- from cradle to grave.

An example is provided, as illustration only, for a generalized coffee machine.



LIFECYCLE EMISSIONS WORKSHEET

E2. Input Materials, Components, and Energy							E4. Transportation of Inputs, Utilities and Products		
E2.1: Material and Component Input at Production Site									
Express data as Input amounts per year									
1) Total Input means the total mass input (kg) of material or component (as transported) per year. Clearly label alternate units if they are used.									
2) Carbon content and mass should only be listed for feedstock inputs, not materials such as steel or plastic that are used in the project infrastructure. Project infrastructure should be reported in a separate worksheet.									
3) For multi-component inputs, also complete the supplementary table(s) in the tab, "Suppl. Input Tables"									
Name of Material or Component Input	Total input (1)			Carbon flows (2)			Transport from Source to Facility	Transport Distance	
	(kg/year)	Comments (include alternate units or active chemicals as necessary)	Carbon content %	Mass Carbon Input (kg/yr)	Comments	Specify if by truck, rail, barge, pipeline, on-site, etc.	(kilometers)		
A				0.0					
B				0.0					
C				0.0					
D				0.0					
E				0.0					
F				0.0					
add additional rows as necessary									
E2.2: Energy Inputs at Production Site							Transport from Source to Facility	Transport Distance	
Specify units if mass (kg) not used Include heating value	Input per year	Unit (change if necessary)	Heating value (MJ/kg)	Comments (specify if heating value is HHV or LHV)	Carbon content %	Mass Carbon Input (kg/yr)	Comments	Specify if by truck, rail, barge, pipeline, on-site, etc.	(kilometers)
Grid Electricity		MWh	-		-	-		-	-
Coal		kg			-	0.0		-	
Natural gas		kg			-	0.0		-	
Light fuel oil		kg			-	0.0		-	
Heavy fuel oil		kg			-	0.0		-	
Diesel		kg			-	0.0		-	
Other (Specify in Comments)									
add additional rows as necessary									
E2.3: Imported Utilities to the Production Site							Transport from Source to Facility	Transport Distance	
Specify units if mass (kg) not used; Only include imported or make-up quantities	Input per year	Unit (change if necessary)	Heating value (MJ/kg)	Comments (specify if heating value is HHV or LHV)	Carbon content %	Mass Carbon Input (kg/yr)	Comments	Specify if by truck, rail, barge, pipeline, on-site, etc.	(kilometers)
Air		kg	-		-	-		-	
Steam		MJ			-	-		-	
Nitrogen		kg			-	-		-	
Oxygen		kg			-	-		-	
Argon		kg			-	-		-	
Hydrogen		kg			-	-		-	
Tap Water		kg			-	-		-	
Process Water		kg			-	-		-	
Catalyst		kg			-	-		-	
Others (Specify in Comments:)									
add additional rows as necessary									

LIFECYCLE EMISSIONS WORKSHEET

E3. Output Materials, Components, Energy, and Emissions									
E3.1: Material and Components Produced at Site									
(1) Total output means the total mass (kg) and/or the total energy (MMBTU or MJ, if applicable) of material or component produced on a yearly basis. List all outputs at 100% concentration.									
Name of Non-Electricity Product	Total output (t)				Carbon flows			Transport from Facility to Offtaker	Transport Distance
	(kg/yr product)	(MJ or MMBTU product per year, if applicable)	Heating value (MJ/kg)	Comments (e.g. Energy Unit and LHV or HHV, relevant ASTM standard)	Carbon content (%)	Mass Carbon Output (kg/yr)	Comments	Specify if by truck, rail, barge, pipeline, on-site, etc.	(kilometers)
A			-			0.0			
B						0.0			
C						0.0			
D						0.0			
E						0.0			
F						0.0			
add additional rows as necessary									
E3.2: Electricity Outputs at Production Site									
Grid Electricity (MWh/yr)									
add additional rows as necessary									

E3.3: Emissions					
Express data as total mass (kg) per year Provide all emissions at production site					
Air Emissions	kg/yr	Comments	Carbon content (%)	Mass Carbon Output (kg/yr)	Comments
Greenhouse Gases					
1. CO2			27%	0.0	
2. CO			43%	0.0	
3a. CH4			75%	0.0	
3b. N2O			-	-	
add additional rows as necessary					
Solid and Liquid Wastes	kg/yr	Comments	Carbon content (%)	Mass Carbon Output (kg/yr)	Comments
1. Municipal				0.0	
2. Hazardous				0.0	
3. Effluent Water				0.0	
4. Other - slag				0.0	
5. Other - water pretreatment sludge				0.0	
add additional rows as necessary					

Carbon Balance	
Calculated from data above	
Carbon inputs	-
Carbon outputs	-
Percent of carbon leaving system	N/A

Carbon balance formula may need to change if additional input or output rows are added.

Mass Balance	
Calculated from data above	
Mass inputs	-
Mass outputs	-
Percent of mass leaving system	N/A

Modify the mass balance formula based on the system.

Other Emissions	
PM 10	
PM 2.5	
SO2	
NOx	
Mercury	

These emissions must be provided only for projects employing gasification.

Supplementary Input Tables

This supplementary sheet can be used to provide additional information on material inputs. Fill up the supplementary tables for the following types of material inputs:

- 1. Premanufactured, multi-component inputs.** For example, a company that manufactures photovoltaic systems may enumerate each of the materials (e.g., steel, copper, aluminum, plastics, etc.) that is used for each of the components (e.g., solar panels, battery, inverter, housing, mount, etc.).
- 2. Novel or uncommon materials.** For example, a nuclear powerplant that contracts a vendor to produce HALEU fuel may enumerate the components of the HALEU fuel.
- 3. Combined materials.** As examples, the solute and solvent of a solution, the composition of an alloy and moisture content of a feedstock may be itemized in a supplementary table.

Add more tables/rows as necessary. Specify the composition units as % mass, kg mass, etc.

For example:

Component Sample	<i>Sample A</i>	
Name of Component	<i>Electrical Wiring</i>	
Annual Requirement	<i>3,000</i>	
Units per Year	<i>kg</i>	
Composition	Annual Quantity	Units in % or Mass
<i>Copper</i>	<i>90</i>	<i>% mass</i>
<i>PVC</i>	<i>10</i>	<i>% mass</i>

Component	A	
Name of Component		
Annual Requirement		
Units per Year		
Composition	Annual Quantity	Units in % or Mass

Component	B	
Name of Component		
Annual Requirement		
Units per Year		
Composition	Annual Quantity	Units in % or Mass



EDF

Office of Energy Dominance Financing

Part I Application Instructions for the Title 17 Energy Financing Program

OMB Control Number: 1910-5134

OMB Expiration Date: February 28, 2026

OMB Extension, Revision, and Reinstatement: (Pending)

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