

User Input

Calculated or from other tab

Instructions are in yellow boxes

This worksheet is used to capture information on Industrial Greenhouse Gas Reduction project proposals. First fill out the relevant user input (green) cells in the *Project Overview* tab. Data will be extracted from

Section	Applicant Information	Input
Project Overview	Applicant Case Number	
	Company Name	
	City (HQ)	
	State (HQ)	
	Zip Code (HQ)	
	City (Facility)	
	State (Facility)	
	Zip Code (Facility)	
	Qualified Investment (\$)	
	Expected Credit Rate	30%
	Tax Credit (\$)	0
	Sector/Industry	<i>Iron and Steel</i>
	<i>If other Sector</i>	
	Facility Output Product	
	Current production	
	Future production	
	Decarbonization Approach	
	<i>If other (or multiple) Decarbonization Approach</i>	
	Technology Readiness Level of	
	EPA GHGRP ID (if applicable)	
	Which emissions reduction	
	Current Facility Greenhouse Gas	
	Future Facility Greenhouse Gas Emissions Scope 1	
	Current Facility Greenhouse Gas Emissions Scope 2	

	Future Facility Greenhouse Gas Emissions Scope 2	
	<i>(Optional) Current sub-unit emissions</i>	
	<i>(Optional) Future sub-unit emissions</i>	
Project/Business Plan	Date Complete Permitting	
	Date Begin Construction	
	Date Begin Operation	
	Is this project being considered or planning to apply to local, state, or other federal agency programs?	
	<i>If Yes, briefly explain funding:</i>	
Jobs	Direct Construction Jobs	
	Meet Wage and Apprenticeship Requirements?	
	Direct Operating Jobs	

es next to the corresponding inputs

als. Input data and assumptions should be substantiated in and show clear correspondence to applicant's project in this workbook to compare submissions. **Therefore, no cells, rows, or columns should be added.**

Units	Notes
	The case number used to track the application in the DOE 48C application portal.
	Dollar amount of the qualified investment that "re-equips" the facility, as defined in 48C
	Applicants should select a 30% tax credit if they anticipate meeting the wage and apprenticeship requirements in 48C(e)(5) and (6). Applicants who do not anticipate meeting those requirements should
	Calculated by multiplying Qualified Investment by Expected Credit Rate.
	Select the sector or industry that most closely matches the facility.
	If selected Other above, type a freeform answer.
	Brief description of the facility output product in 5 words or less (e.g., "rebar").
<i>tons/year</i>	Current annual production <b>in the facility covered by the greenhouse gas reduction project</b>
<i>tons/year</i>	Future annual production <b>in the facility covered by the greenhouse gas reduction project</b> or annual production (e.g., increase or decrease output), that should be reflected here and
	Select the process change that most closely describes the greenhouse gas reduction technology.
	If selected Other above, type a freeform answer. If secondary or multiple equipment types are used, type a freeform answer to describe
	Submit the Technology Readiness Level (1-9) of the technology, equipment, or process used.
	Applicants subject to EPA GHGRP reporting should provide their GHGRP ID.
	Applicants should select whether they achieve at least a 20% reduction in GHG emissions from the full facility.
<i>metric tons CO2e/year</i>	Provide annual Scope 1 CO2-equivalent emissions at the full facility in the most recent year.
<i>metric tons CO2e/year</i>	Using the same methodology, estimate the annual Scope 1 CO2-equivalent emissions at the full facility when the greenhouse gas reduction project is completed. For concept papers, applicants are not required to provide emissions accounting, but should be aware that they will be asked to justify their emissions accounting application using EPA methodology. See Section V of Appendix B for more information.
<i>metric tons CO2e/year</i>	Provide annual Scope 2 emissions from the full facility's energy- and fuel-related purchases (e.g., electricity, steam, and emissions of fuels) in the most recent year.

metric tons CO <sub>2</sub> e/year	Estimate annual Scope 2 emissions from the full facility's energy- and fuel-related purchases (including emissions of fuels) after the greenhouse gas reduction project is completed.
metric tons CO <sub>2</sub> e/year	<i>(Optional) If claiming eligibility on the basis of 20% GHG reductions in a particular sub-unit, estimate the annual GHG emissions from the sub-unit. Applicants must still submit full facility Scope 1 and Scope 2 emissions. Scope 2 will be used to evaluate the holistic impact of the project.</i>
metric tons CO <sub>2</sub> e/year	<i>(Optional) If claiming eligibility on the basis of 20% GHG reductions in a particular sub-unit, estimate the annual GHG emissions from the sub-unit. Applicants must still submit full facility Scope 1 and Scope 2 emissions. Scope 2 will be used to evaluate the holistic impact of the project.</i>
mm/dd/yyyy	Estimate the date at which the project will complete permitting.
mm/dd/yyyy	Estimate the date at which the project will begin construction.
mm/dd/yyyy	Estimate the date at which the project will begin operation. Applicant should note 48C'.
Y/N	Examples include other federal tax credits, grants from the Department of Energy or other federal agencies, or local economic development incentives.
FTE equivalent	Quantify the number of direct jobs that will be created during construction of the facility.
Y/N	Do the construction jobs meet wage and apprenticeship requirements, as specified in 48C'.
FTE equivalent	Quantify the number of direct jobs that will be sustained for the operation of the facility.



ases (electricity, off-site
nit, provide current annual ope 2 emissions above, which
nit, provide future annual GHG ? emissions above, which will
s requirements for placing the er federal agencies, and state
y. Direct jobs are those jobs 48C(e) and treasury guidance?
r. For retrofits/reequipped

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Please list the direct jobs that will be created during both construction and operations of the facility. For retrofit: calculating incremental operating jobs created by the project. Please be as specific as possible.

Direct jobs are those jobs represented by the number of people whose work is directly billed to the project.

**Do not list Indirect Jobs**, defined as employees included in the supply chain who are not directly billed to the project.

- Producers of equipment or services that are used on the project
- Accounting or administrative services
- End-use installers
- Operating jobs unrelated to the project (for a GHG reduction project in a steel facility, do not count steelworkers)

The review team will calculate indirect jobs using a consistent methodology.

Applicant should fill out this section for any construction jobs they anticipate will meet wage and apprenticeship requirements under 48C(e) and corresponding Treasury guidance.

### Construction Jobs - Meeting Wage and Apprenticeship Requirements

Job Category <i>Applicant can determine category</i>	Annualized FTE FY2023	Annualized FTE FY2024	Annualized FTE FY2025	Annualized FTE FY2026

the corresponding inputs

s/reequipped facilities, please list the number of current jobs for the purposes of

object. Examples include:

(jobs not working on the GHG reduction)

Applicant should fill out this section only if they anticipate that certain construction jobs do not meet prevailing wage and apprenticeship requirements. If so, they are not guaranteed the opportunity to receive a 6% credit or pay penalties.

**Construction Jobs - NOT Meeting Wage and Apprenticeship Requirements**

Annualized FTE FY2027	Job Category <i>Applicant can determine category</i>	Annualized FTE FY2023	Annualized FTE FY2024	Annualized FTE FY2025

obs will not meet  
30% credit and should

Annualized FTE FY2026	Annualized FTE FY2027

Current and anticipated operating jobs at the facility. Apply  
this is an existing facility.

**Operating Jobs**

Job Category <i>Applicant can determin</i>	Current FTE (if applicable) FY2022	Annualized New FTE FY2023

licant should fill out the first column for Current FTE only if

Annualized New FTE FY2024	Annualized New FTE FY2025	Annualized New FTE FY2026	Annualized New FTE FY2027

## User Input

This worksheet is used to first fill out the relevant Technology Area. Data w

### Section

Project to completion

Site selection

Funding availability

Market overview

Corporate health

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capture information on commercial viability of Clean Energy Manufacturing and Recycling project. User input (green) cells in the *Project Overview* tab. Next, applicant should fill out the user input cells. All data will be extracted from this workbook to compare submissions. Therefore, no cells, rows, or columns should be hidden.

### Applicant Information

Date Complete Permitting

Date Begin Construction

Date Begin Operation

Company Name

City (Facility)

State (Facility)

Zip Code (Facility)

Equity (%)

Debt (%)

Equity sources

Debt sources

State or local incentives (\$)

Other federal incentives (\$)

Market share

Expected growth in the next 5 years after production commencement

End use application or installation of product

Ongoing legal claims (Yes or No)

Planned debt restructuring (Yes or No)

Other planned corporate actions that may affect completion of project (Yes or No)



Instructions are in yellow boxes next to the corresponding inputs and assumptions should be substantiated in and show clear correspondence to applicant's project narrative. Applicant should use the *Community Benefits and Jobs*, *Emissions*, and *Voluntary Disclosure* tabs, as well as the yellow tab that is specific to your project.

**Notes**

Automatically populated from "Project Overview" tab.

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Indicate the percentage equity held by the company in the project.

Indicate the percentage of debt owed by the company. Enter 0 if not applicable.

Indicate amount of state or local incentives received for the project.

Indicate amount of other federal incentives received for the project.

Indicate the percentage of expected growth rate for the product after 5 years of project commencement.

Indicate if there are any ongoing or expected legal claims related to the project . If selecting Yes, explain in brief.

Indicate any planned debt restructuring. If selecting Yes, explain in brief.

Indicate any planned corporate or management actions that can impact the timely completion of the project or can cause the project to be stalled for an extended period of time. If selecting Yes, explain in brief.

**Sector**

Iron and Steel

Cement

Chemicals

Pulp and Paper

Refining

Other

**Process Changes**

energy efficiency

electrification

low-carbon fuels, feedstocks, and energy sources (LCFFES)

material efficiency and substitution

carbon capture utilization and storage (CCUS)

others