

## Instructions for Applicants

User Input

Calculated or from other tab

Instructions are in yellow boxes

This worksheet is used to capture information on Critical Material project proposals. Input data and output the relevant user input (green) cells in the *Project Overview* tab. Data will be extracted from this

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
	Project Type	
	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

assumptions should be substantiated in and show clear correspondence to applicant's project narrative. Applicant's 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, expands, or establishes" the
	in 48C(b)
	Applicants should select a 30% tax credit if they anticipate meeting the wage and apprentice
	Calculated by multiplying Qualified Investment by Expected Credit Rate.
mm/dd/yyyy	
mm/dd/yyyy	
mm/dd/yyyy	
	Examples include other federal tax credits, grants from the Department of Energy or other
	agencies, and state or local economic development incentives.
FTE equivalent	Quantify the number of direct jobs that will be created during construction of the facility
	Do the construction jobs meet wage and apprenticeship requirements, as specified in 4
	guidance?
FTE equivalent	Quantify the number of direct jobs that will be created during operation of the facility. For
	retrofits/reequipped facilities, only include the number of additional operating jobs crea

nt should first fill


facility, as defined  
nticeship

er federal

y. Direct jobs are  
18C(e) and treasury

for  
ted by the project.



Aluminium		
Antimony		
Arsenic		
Barite		
Beryllium		
Bismuth		
Cerium		
Cesium		
Chromium		
Cobalt		
Dysprosium		
Electrical Steel*		
Erbium		
Europium		
Fluorine*		
Fluorspar		
Gadolinium		
Gallium		
Germanium		
Hafnium		
Holmium		
Indium		
Iridium		
Lanthanum		
Lithium		
Lutetium		
Magnesium		
Manganese		
Neodymium		
Nickel		
Niobium		
Palladium		
Platinum		
Praseodymium		
Rhodium		
Rubidium		



...t to the corresponding input  
 ...iple critical minerals and or  
 ...mineral and or production  
 ...no cells, rows, or columns

Sourcing
For each input briefly describe where it is sourced from (associated geographical region)

Recycling Output (tons)
If the facility performs any recycling activities, fill out this column with the average annual output tonnage of the metal or element produced/recovered from the recycling activity.

Input Type
Select input type (selected primary for virgin materials, and secondary for scraps/end of life materials)
Primary
Primary
Secondary
Secondary
Secondary
Primary
Secondary
Secondary
Secondary
Primary

Critical Materials
Example of possible projects







**the output table below)**

<b>Input Description</b>	<b>Input capacity (tons)</b>	<b>Sourcing</b>
Briefly describe input selected e.g. ore, mine tailing, waste stream, concentrate, scraps(automobile, mixed - shredded, household appliance, new(manufacturing/industrial) scraps etc.) etc.	For each input , provide the corresponding amount entering the facility. If more than 10 inputs, provide the 10 inputs with largest annual tonnage	For each input briefly describe where it is sourced from (associated geographical region)
Bauxite	100000	U.S
Alumina	200000	U.S
Aluminum containing old scraps	200000	U.S
Aluminum containing new scraps	200000	U.S
Automobile scraps	100000	U.S
Nickel ore	100000	Canada
Nickel containing old scraps	50000	Canada
Battery old scraps	1000	U.S
Permanent magnets	1	U.S
Rare earth element ore	500	U.S

**cal Materials Outputs (Examples provided here are independent from examples provide in the**

<b>Processing (tons)</b>	<b>Refining (tons)</b>	<b>Recycling Output (tons)</b>
<p>If the facility performs any processing ( converting ore into high-value concentrate e.g., comminution, dewatering, beneficiation), fill out this column with the average annual output tonnage of the metal or element content contained in the concentrate produced. ( E.g., If you produce a concentrate that contain multiple recoverable critical materials, please calculate each recoverable material content contained in your concetrate and fill out the annual average amount in each respective material below)</p>	<p>If the facility performs any refining at all (converting a concentrate into metal or element e.g., smelting, purifying, reduction), fill out this column with the average annual output tonnage of each respective metal or element produced.</p>	<p>If the facility performs any recycling activities, fill out this column with the average annual output tonnage of the metal or element produced/recovered from the recycling activity.</p>

6,000.00	6,000.00	2,500.00
6,000.00		2,500.00
	6,000.00	2,500.00
6,000.00	6,000.00	
		2,500.00
6,000.00		

5.00		1.00
0.20		0.10
0.20		0.10
		500.00

input tab

Notes

Example  
of  
possible  
scenario  
of  
operation  
s

all three  
operations  
operation  
only  
in refining  
and  
recycling  
operations  
in recycling  
and  
refining  
operations  
involved  
in recycling  
operation  
only  
processing  
only

produce  
multiple  
critical  
materials  
recycling  
only

## 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

Calculated or from other tab

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.

User Input

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Instructions are in yellow boxes next to

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:

(workers 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
	Mechanics			

obs will not meet  
30% credit and should

Annualized FTE FY2026	Annualized FTE FY2027

Current and anticipated operating jobs at the facility. Applicant  
existing facility.

**Operating Jobs**

Job Category <i>Applicant can determine category</i>	Current FTE (if applicable) FY2022

nt should fill out the first column for Current FTE only if this is an

Annualized New FTE FY2023	Annualized New FTE FY2024	Annualized New FTE FY2025	Annualized New FTE FY2026	Annualized New FTE FY2027