



2024 Georgia Carbon Registry Application:

Participant Information

Name of Participant: _____

Participant Email Address: _____

Phone Number of Participant: _____

Project Information:

Address Identifying Building to be added to Registry:

Street: _____

City: _____

Zip Code: _____

Description of eligible sustainable building materials to be used for the three eligible building systems: foundation, structural skeleton, and building envelope (including insulation, external walls, glazing, and roof):

Sample Report to be Submitted to Claim Carbon Credits:

Please attach Proof of Certificate of Occupancy or other legal permit declaring the building meets all codes and usage requirements.

Enter description of standards, methods and/or software tools used in the calculation of bill of materials (BOM) for the three eligible building systems: foundation, structural skeleton, and building envelope (including insulation, external walls, glazing, and roof):

Enter description of standards, methods and/or software tools used in the calculation of embodied and embedded carbon of the building materials:

Project Data for the Sustainable Materials Building (SMB):

Enter Sustainable products claimed by type (volume or weight as applicable)

Enter Embedded Carbon claimed for sustainable building material per unit weight or volume and references to the supporting Environmental Product Declarations (EPD) or Life Cycle Inventory (LCI) data. For wood products Appendix B; Table 1 in the Georgia Carbon Registry may be used for these values.

For each Wood Product claimed, enter information necessary to calculate the Embodied Carbon from the Product Stage:

A1: _____

A2: _____

A3: _____

Or provide values and specific references to the supporting Environmental Product Declarations (EPD) or Life Cycle Inventory (LCI) data.

For each Wood Product claimed, enter information necessary to calculate the Embodied Carbon from the Construction Process Stage:

A4: Distance from wood product processing locations (laminator, CNC machining etc.) to construction site and methods of transportation

A5 (Optional): Provide calculation of construction, installation and process energy. If calculations of A5 energy are made for the Sustainable Building, then parallel calculations must be made for the baseline building, as described below.

The total claimed embodied carbon of the product on a per volume or weight basis:

For each eligible non-wood sustainable product claimed, enter information necessary to calculate the Embodied Carbon from the Product Stage:

A1: _____

A2: _____

A3: _____

Or provide values and specific references to the supporting Environmental Product Declarations (EPD) or Life Cycle Inventory (LCI) data.

For each eligible non-wood product claimed, enter information necessary to calculate the Embodied Carbon from the Construction Process Stage:

A4: Distance from manufacturer location(s) to construction site and methods of transportation

A5 (Optional): Provide calculation of construction, installation and process energy. If calculations of A5 energy are made for the Sustainable Building, then parallel calculations must be made for the baseline building, as described below.

The total claimed embodied carbon of the non-wood product on a per volume or weight basis: _____

For non-Sustainable Building Materials (SBM) that are included in the Sustainable Building (SB) and that are part of the building foundation, structure and enclosure system, calculate the quantity of these materials used in the building and the embodied and embedded carbon of these materials in the manufacturing (A1 to A3) and transportation (A4) stages.

Optionally, calculate the construction, installation and process energy (A5) for the non-SBMs that are part of the building foundation, structure and enclosure systems.

Project Data for the Baseline Building:

If available, enter embodied and embedded carbon data from the United States Department of Energy's Commercial Prototype Building Models to establish baseline categories using prototype building occupancies, area, and structural systems. If the participants' project is multi-system or multi-use (for example: retail and office space), use proportional ratio of area for each system/use.

Provide descriptions of the baseline building and source of baseline embodied and embedded carbon calculations following the process steps described in sections above for sustainable and non-sustainable building materials.

Provide evidence that baseline building systems chosen represents the prevailing practice for the location and occupancy of the building – noting that the baseline building may contain both sustainable and non-sustainable building materials.

1. Summary of embedded and embodied carbon by building and material system as shown in Results Table below: _____
2. Calculation of difference in GWP (in kg of CO2 equivalent) in actual project (Sustainable Material) building and baseline building and carbon credits claimed according to the provisions of Section 10 of this protocol: _____

Results Table

System	Material	Quantity	LCI/EPD Source Data	Unit Embodied GWP	Unit Embedded GWP	Total Embodied GWP	Total Embedded GWP
Sustainable Materials Building							
Foundation							
Structural							
Envelope							
Total GWP, Embodied and Embedded, Sustainable Materials Building						B	A
Baseline Building							
Foundation							
Structural							
Envelope							
Total GWP, Embodied and Embedded, Baseline Building						D	C

Total Credits Claimed = (A - B) - (C - D)

One credit = 1000 kg of CO2e

For questions, please contact Devon Dartnell at ddartnell@gfc.state.ga.us.