

## Canadian Construction Steels Global Warming Potential Summary

The life cycle environmental Global Warming Potential impacts of 1 metric ton and 1 short ton for the 3 CISC EPD steel products (based on life cycle impact assessment method TRACI 2.1) are summarized below. Refer to the LCA report or full EPD for more detailed results. Results on resource use, waste generated and output flows are presented in the full EPD.

A1 = raw material supply (raw material extraction and processing, production of structural steel, etc.), A2 = transport of raw materials (transportation from suppliers of steel and other manufacturing materials to manufacturing facilities), A3 = manufacturing (forming, edge preparation, bending and welding).

### Fabricated Hot-rolled Structural Steel Sections

Impact categories		A1	A2	A3	A1-A3
		Raw material supply	Transport	Manufacturing	Total
Global warming (kg CO <sub>2</sub> eq.)	1 mt	1.02E+03	2.51E+01	1.23E+02	1,17E+03
	1 ton	9.28E+02	2.27E+01	1.12E+02	1,06E+03

### Fabricated Steel Plate

Impact categories		A1	A2	A3	A1-A3
		Raw material supply	Transport	Manufacturing	Total
Global warming (kg CO <sub>2</sub> eq.)	1 mt	1.56E+03	2.51E+01	1.23E+02	1.71E+03
	1 ton	1.41E+03	2.27E+01	1.12E+02	1.55E+03

### Fabricated Hollow Structural Sections

Impact categories		A1	A2	A3	A1-A3
		Raw material supply	Transport	Manufacturing	Total
Global warming (kg CO <sub>2</sub> eq.)	1 mt	1.70E+03	2.51E+01	1.23E+02	1.85E+03
	1 ton	1.55E+03	2.27E+01	1.12E+02	1.68E+03