

A photograph of several white wind turbines with green-tipped blades standing on a lush green rolling hill. The sky is a deep green with scattered white clouds. The text is overlaid on the center of the image.

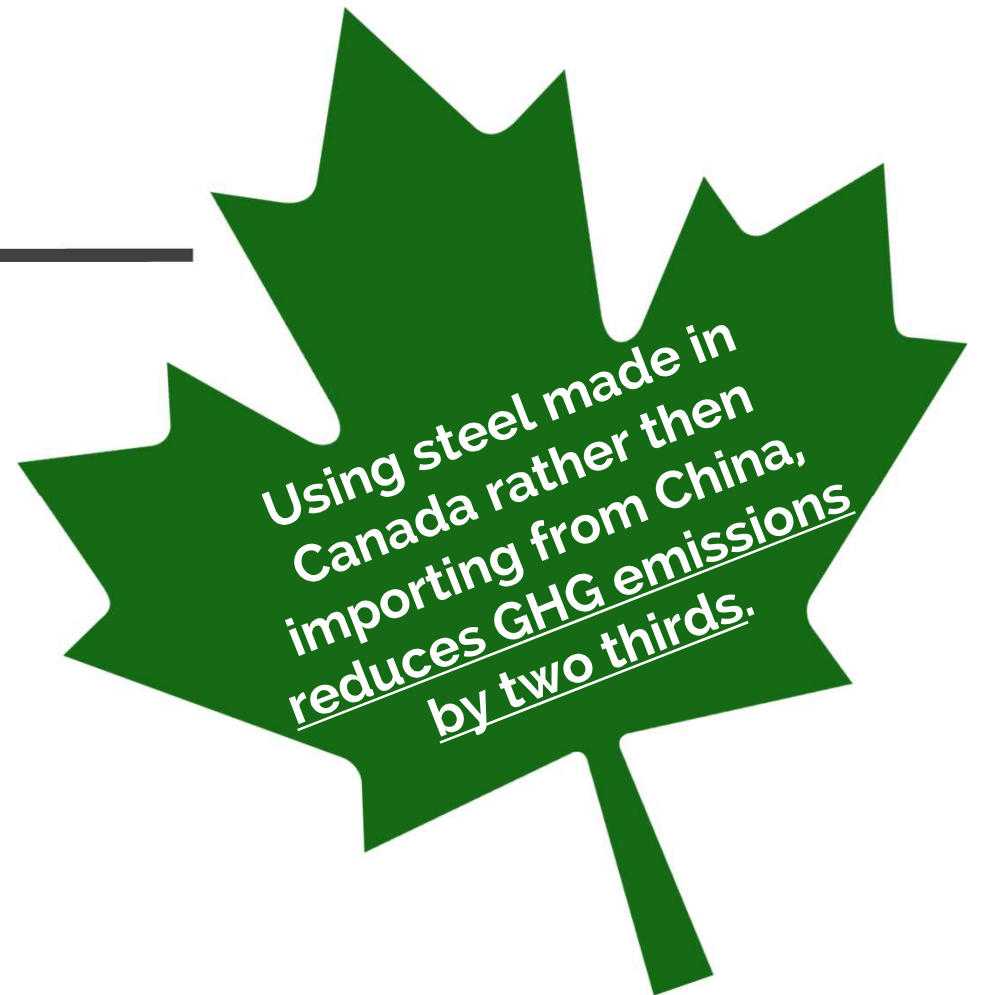
Canadian Steel Producers Association

IGUA Spring Seminar | Montebello, QC

CSPA  ACPA

WHO WE ARE

- The Canadian Steel Producers Association represents Canada's **\$15B primary steel industry**.
- Our member companies annually produce approximately **12-14 billion million tonnes of steel, pipe and tube products** in 19 facilities spread across 5 provinces.
- Domestic steel operations directly employ some **22,000** Canadians while supporting an additional **100,000** indirect jobs.
- Our **environmental advantage** comes from nearby access to raw materials, support for recycling, and from progress in growing non-GHG emitting energy sources



Steel facilitates responsible manufacturing



CARBON

- **Steel production is carbon intensive.**
- The CO₂ generated integrated steelmaking comes from the chemical reaction between coke and coal (carbon) and iron ore.
- Up to 70% of emissions are fixed process emissions.
- **Steel production is energy intensive.**
- However, sophisticated energy and resource management systems ensure efficient use and recovery of energy throughout the steelmaking process for reuse, wherever possible.



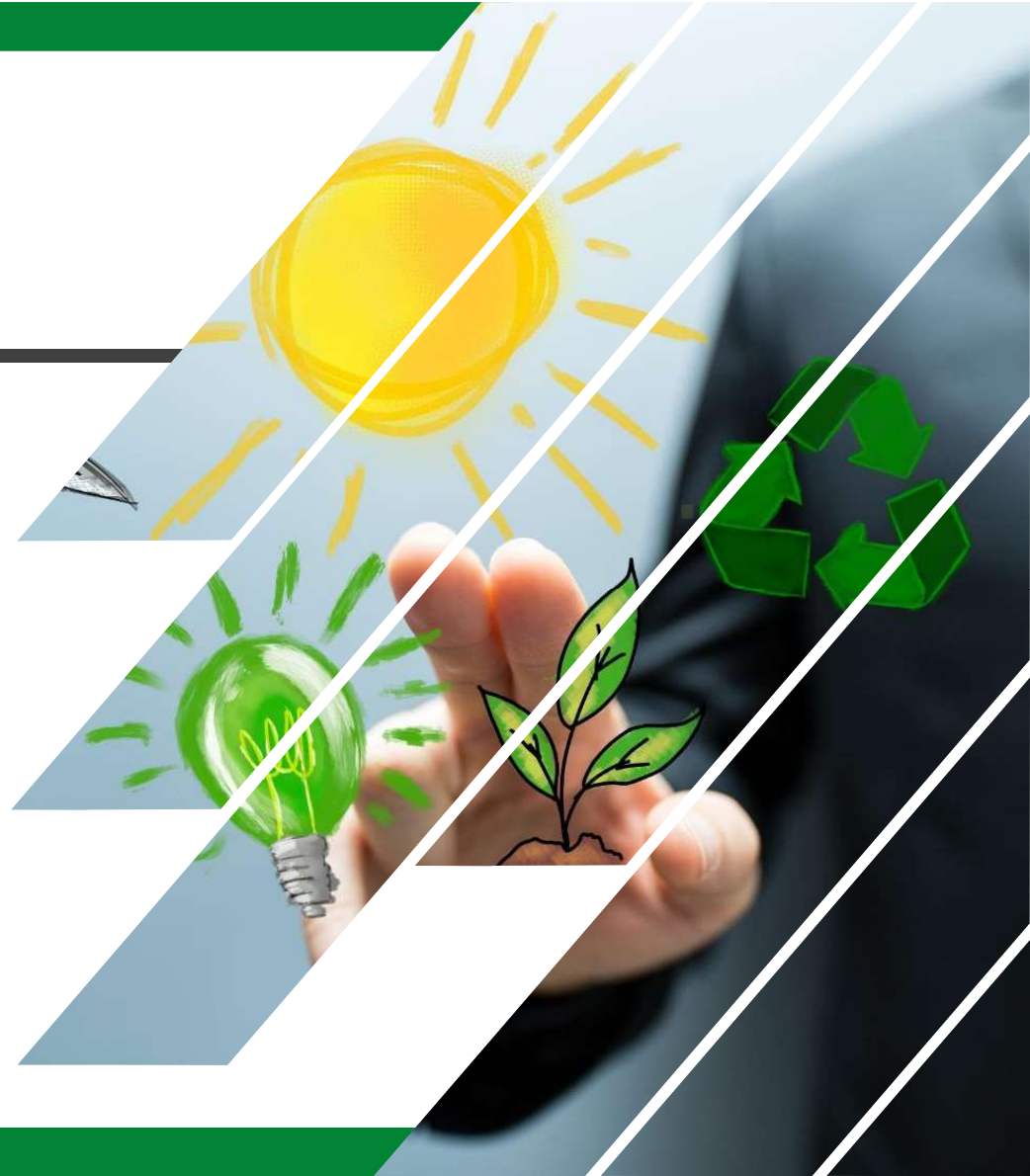
SOLUTIONS

- **Algal Carbon Conversion** is an end of pipe solution that causes no upset in the carbon conversion process of steelmaking.
- **Use of renewal bio-carbon sources** to replace coal inputs across steelmaking activities.
- **Co-generation** (combined heat and power generation facilities) convert process gas/co-product fuels into steam and power.



CONSIDERATIONS

- Recognize energy-intensive, trade-exposed industries like steel.
- Fully recognize fixed process emissions.
- Ensure that direct revenues are recycled back to Emissions-Intensive and Trade-Exposed Industries to mitigate leakage and to offset regulatory compliance costs.
- Support industrial innovations that generate GHG emission reductions.
- Encourage the usage of steel with a low carbon footprint for (government procured products).



**Canada's steelmakers look forward to helping
Canada meet its climate change objectives.**



CSPA  **ACPA**