



GHG Emissions Reduction Targets

Big River Steel is committed to the vision and mission of the [ResponsibleSteel](#) initiative. To uphold the global standards, Big River Steel has the following GHG emissions reduction targets:

Medium-Term Target Net GHG Intensity:

Reduce net GHG emissions intensity by 5% by 2030 compared to a 2020 baseline year. An annual milestone of 0.5% reduction will be monitored.

Net GHG Intensity	
2020 Baseline	2030 Target
0.370	0.351

1. Intensities are in units of metric tons of CO₂e per metric ton of raw steel produced.
2. Net GHG intensity is the total Scope 1 and Scope 2 emissions divided by the annual raw steel production.
3. No offsets or renewable energy credits were used in 2020. Any offsets or renewable energy credits used in the future will be publicly reported.
4. The baseline year may be adjusted in the future per guidance in the GHG Protocol to reflect major changes in operation.

Medium-Term Target Imported Electricity Net GHG Intensity:

Reduce net GHG emissions intensity associated with imported electricity by 12% by 2030 compared to a 2020 baseline year. An annual milestone of 1.2% reduction will be monitored.

Imported Electricity Net GHG Intensity	
2020 Baseline	2030 Target
0.153	0.135

1. Intensities are in units of metric tons of CO₂e per metric ton of raw steel produced.
2. Net GHG intensity for imported electricity is the total Scope 2 emissions divided by the annual raw steel production.
3. No offsets or renewable energy credits were used in 2020. Any offsets or renewable energy credits used in the future will be publicly reported.
4. The 2030 target for imported electricity net GHG intensity will be achieved through increased reliance on carbon-free electricity and purchasing of renewable energy credits.
5. The baseline year may be adjusted in the future per guidance in the GHG Protocol to reflect major changes in operation.

GHG Emissions Public Reporting for 2020:

	Scope 1 – Direct GHG Emissions (metric tons CO ₂ e)	Scope 2 – Imported Electricity GHG Emissions (metric tons CO ₂ e)	Scope 3 – Indirect GHG Emissions from Upstream Materials (metric tons CO ₂ e)	Total GHG Emissions (metric tons CO ₂ e)
2020 Baseline	353,489	250,463	674,000	1,280,000

1. All GHG emissions presented were calculated in accordance with the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard.
2. Scope 1 emissions include stationary source combustion, mobile source combustion, and refrigeration and air conditioning equipment emissions.
3. Scope 2 emissions include emissions associated with imported electricity and were calculated by Big River Steel’s electrical utility in partnership with Big River Steel. There are no Scope 2 emissions associated with imported heat and steam.
4. Scope 3 emissions include the emissions associated with upstream purchased goods and materials using an environmentally extended input-output database.
5. No offsets or renewable energy credits were used in 2020.

	Total GHG Emissions (Scope 1 + Scope 2) (metric tons CO ₂ e)	Steel Production (metric tons)	GHG Emissions Intensity (metric tons CO ₂ e/metric tons steel)
2020 Baseline	603,952	1,634,409	0.370

1. Total GHG emissions includes Scope 1 and Scope 2 emissions calculated in accordance with the Greenhouse Gas Protocol. Emissions associated with raw materials are not included in the GHG emissions intensity.