CleanBC Industrial Incentive Program
Forged Steel Ball Sector Guidance

This guidance applies to reporting operations with primary NAICS codes as follows:

- NAICS – 331511: Iron Foundries

Sub-Sector: Forged Steel Balls

CIIP Product:
- Forged steel balls < 3.5 inches
- Forged steel balls > 4 inches

NOTE: It is anticipated that each reporting operations producing forged steel balls will only produce one of the benchmarked forged steel ball sizes. Thus, no methodology to allocate emissions between products is necessary.

Quantification and Reporting of Emissions and Related Information

Unless explicitly stated otherwise in the CleanBC Industrial Incentive Program (CIIP) guidance, quantification and reporting of greenhouse gas emissions and related information under CIIP must comply with the Greenhouse Gas Industrial Reporting and Control Act (GGIRCA) and the Greenhouse Gas Emission Reporting Regulation (GGERR), including with the referenced in GGERR Western Climate Initiative (WCI) quantification methodologies.

The WCI methodologies typically applicable to forged steel balls reporting operations include, but may not be limited to, the following:

- WCI.020 General Stationary Combustion
- WCI.280 Mobile Equipment at Facilities

In addition to the information required in the GGERR, applicants to CIIP must also report the GHG emissions associated with purchased grid electricity.

Purchased electricity is reported under the ‘Production’ tab in the CIIP application. From the ‘Product or Service’ dropdown menu, select ‘Purchased Electricity’. Enter the amount of electricity purchased (in gigawatt hours) and the emissions associated with the purchased electricity.
Grid electricity emissions are quantified by multiplying the published electricity emission intensity factor for grid-connected entities $E_{\text{Grid}}$ for the applicable reporting year by the amount of purchased grid electricity $Q_{\text{Purchased}}$ in GWh:

$$E_{\text{Electr.}} = E_{\text{Grid}}^\text{Electr.} \times Q_{\text{Purchased}}$$

Therefore, the emissions total for CIIP purposes is:

$$E^{\text{CIIP}} = E_{\text{Onsite}} + E_{\text{Grid}}$$

where $E_{\text{Onsite}}$ is the reporting operation’s emissions total as required to be reported under GGIRCA and submitted in the Single Window Reporting System.

The emissions associated with purchased electricity and/or heat will be automatically added to the product’s emissions totals. The applicant must not allocate emissions from purchased electricity and/or heat to the products.

**Quantification of Production**

Applicants to the CIIP must report forged steel balls production $P_{\text{FSBalls}}$ in tonnes. This includes all forged steel balls produced during the reporting year, regardless of whether sold during the year or added to inventory. It does not include forged steel balls sold from a previous year’s production.

**Emission Intensity**

For the purposes of CIIP, the Emission Intensity for the applicable benchmarked product will be calculated as:

$$E_{\text{FSBalls}} = \frac{E^{\text{CIIP}}}{P_{\text{FSBalls}}}$$