Greenbrier's ESG Journey

Tuesday, December 5th, 2023

History of our ESG Journey

2014

- First discussed having a sustainability report

2014 – 2019

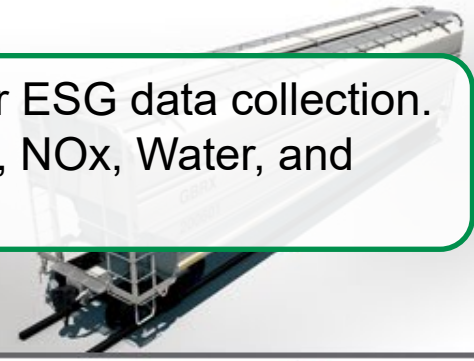
- Tracked Greenhouse gases on a simplistic bases, with relatively low data quality, except for two plants.
- Began developing EHS Information Management System (IMS) to collect data. Started a pilot program.

2019

- First ESG Report Published
- Primarily descriptive, focused more on social aspects and product sustainability

2020

- First report to include data from all plants. Completed initial EHS IMS development for ESG data collection.
- Expanded report to include Purchased Recycle Steel, Scope 1 and 2 CO_2e, Electricity, NOx, Water, and Paint Related Waste



History of our ESG Journey

2021

- Expanded report to include Scope 1 and 2 CO_2e per tonne of Steel in Finished Product, Total Energy (replaced Electricity), Energy per tonne of Steel in Finished Product, and Paint Related VOC and HAP emissions.

2022

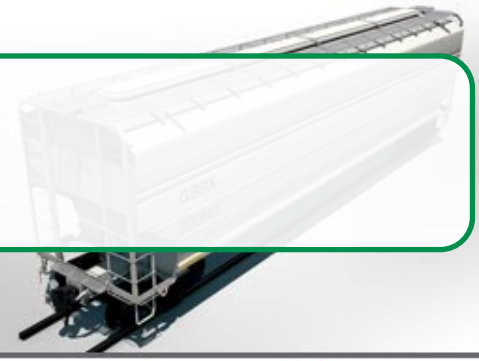
- Conducted an Internal Audit of 2021 data.
- Focused on improving procedures and data quality.

2023

- Expanded report to include Total Waste by type and handling method using the European Waste Classification codes.
- First year Total Energy and NOx were published directly from the EHS IMS.

Next

- Scope 3 data collection and reporting



Data Gathering

- Developing the data, calculation methodology, the system used for data gathering, and reporting is a long and involved process.
- Start with most important data based on environmental impact and interest by stakeholders. Then improve and expand over time.
- Ensuring good data quality is more difficult than you may think it is.
- Keys to ensuring good data quality
  - Set up the data collection method as simple as possible for the plants.
  - Document the process at both the plant and corporate level
  - Require copies of the source documentation
  - Have a multistep process for submitting and reviewing the data.

Data Gathering

- Data gathering may involve calculations
  - Plants should have a document that describes what calculations are needed.
  - Using spreadsheets developed specifically for each location will allow the calculations to be both documented and correctly performed.
- Make sure the data being collected is compatible with the unit of measure of the emission factors being used.
- Plan for employee turnover at both the plant and corporate level.
  - Documentation and Training are key.

EHS Information Management System

- Build the capability one part at a time so, over time, you end up with a well-developed, cohesive system.
  - Create/update procedures and training for each new system development
- Create a self-supporting, low-maintenance system with little to no customization. The more out-of-the-box functionality the better.
- If the system can't do the function well, then do what it can do well and then finish it outside the system.
- Making the system easy to use is important.

Greenbrier Strategy

- Start early and do not over-commit.
- Key is to lay out the plan and make sure it takes the broader picture into account.
- Treat the ESG data collection and reporting as seriously as you do regulatory reporting.
- Better Together!

Thank You

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