

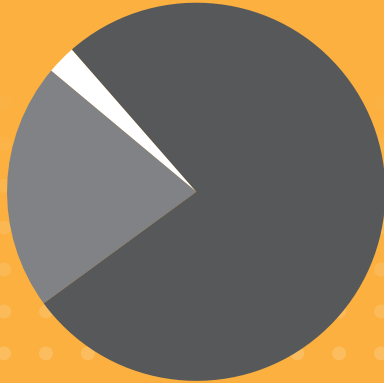
CARBON REDUCTION - STRUCTURAL STEEL REUSE

CO2 Usage per Tonne of Steel

Reused Steel
70kg

Blast Furnace 2200kg

Electric Arc Furnace 600kg



1 tonne of CO2 is equal to...



3750 MILES in a diesel car



1 passenger return flight PARIS TO NEW YORK



HALF A YEAR gas usage in a typical home



120,000 smartphone charges

To capture 1 tonne of CO2 usages requires **50 TREES** growth per year!



ENGAGING WITH CLEVELAND STEEL – HOW TO DO IT

PRE-DEMOLITION AUDIT

- Conduct a detailed survey of the structure to identify any existing information, categorize, and document all steel sections, noting their size, type, location, age, coatings. Ideally as much existing information regarding the structure as you can find.
- Material required to be catalogued by application i.e. brace, column, rafter etc. So we can identify upon receipt

Things that are not acceptable for reuse:- Pre 1970s steel, Galvanised, concrete coated, fire damaged, corroded.

- **Deconstruction Plan:** Develop a plan to dismantle the structure in a way that preserves the steel for reuse. This involves unbolting or making cuts close to existing connections, avoiding damage to the main members. Handling the steel to the floor/trailer is key to avoid damage

- All material would need to be undamaged and greater than 3 mts in length for upto 356mm beams and greater than 6m if bigger sections.
- Viable economical batches, ideally 5 tonnes per size.

PLEASE CALL US TO DISCUSS ANY TIME WE ARE HERE TO HELP CONTACT:

Steve Paterson Purchasing Manager
Steve@Cleveland-steel.com

A SECOND LIFE

Once in stock, the material is catalogued and stored ready to be sent to fabricators for their part in new projects and structures. Testing and traceability are guaranteed

We also have the capacity to re process to optimise the available lengths, re fabricate if necessary. Shot blast, paint, cut & drill.

REUSE SALES CONTACTS

Simon Armitt : Simon@Cleveland-steel.com | Paul Lockwood: Paul@Cleveland-steel.com

