

Green Design Forum – TRF Board Approved

GDF Mission

The Green Design Forum has been established to promote the highest possible recyclability of any tires produced in the US or imported into the US.

GDF Vision

The Green Design Forum aspire to have a 100% recyclability of any tire used in the U.S.

This is done either by innovating and designing tires to be fully recyclable or giving the industry enough warning to redesign their handling systems and production facilities to process all the tire for usable products.

What is GDF's task – TRF Board approved

GDF Strategy

- The Green Design Forum (GDF) will serve as an open platform for confidential dialogue on innovative tire designs and their potential impact on recyclability.
- Tire manufacturers will be encouraged to present proposed design changes or improvements to recyclers for input on how these modifications could affect end-of-life recycling processes.
- The Forum will also provide a space for recyclers to discuss how they might adapt their systems to accommodate upcoming innovations—ensuring that new designs can be effectively received and processed before entering the recycling stream.
- In addition, GDF could address broader initiatives to enhance recyclability, such as the integration of electronic tracking chips and other emerging technologies. Implementation could include voluntary sharing of design details under confidentiality agreements, along with joint pilot studies between tire manufacturers and recyclers to evaluate recyclability outcomes.

Suggested Goals – input needed for agreement

Goals:

- Increase recyclability to 100% on each identified area GDF works on
- Give input on innovations early in the stage gate process considering recyclability
- Facilitate coordination across producers for alignment to increase recyclability
- Facilitate coordination through the whole recycling value chain to share methods to handle innovations
- Facilitate innovations and discussions to improve re-introduction of materials back into the tire production (360)

GDF – Advisory role for the industry on recyclability



Led by the TRF GDF –
solutions are identified



Contributors: Each contributor represent a step in the value chain and is responsible to collect input from peers in the value chain



Audience: Feed back to either producers or the recycling value chain for implementation potential



Communication: The GDF is merely an advisor function and cannot dictate any implementation in the industry