

# EFP Life Cycle Assessment Services



Companies are beginning to put Green Initiatives at the forefront of their yearly metrics while committing to worldwide goals such as Net Zero Carbon Emissions. EFP has actively worked towards implementing a program to analyze the life cycle of cold chain packaging and protective packaging solutions for the review of our product's environmental impacts to assist our partners in making informed decisions when purchasing.

Life Cycle Assessment (LCA) is performed by considering items used in a packaging solution and reviewing the following features:

- Raw materials that go into the packaging
- Manufacturing processes to create the packaging
- The fuel burned to transport the packaging
- The End of Life of the item

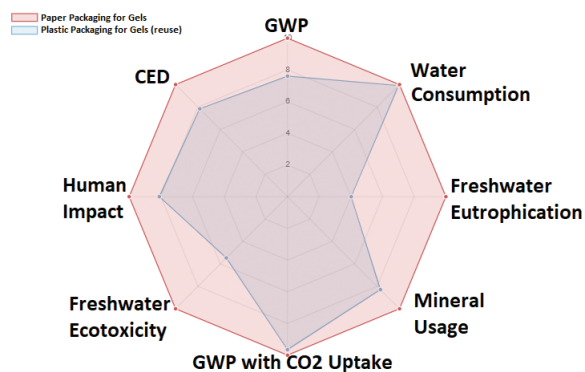
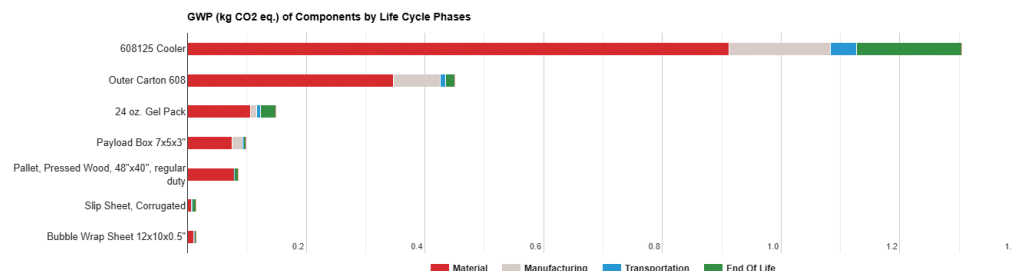
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Lastly, the assessment reviews various metrics to determine which green story best fits their organization.

- Global Warming Potential (GWP) to review greenhouse gas emissions
- GWP with CO<sub>2</sub> uptake that accounts for the Carbon Cycle of emitted gases
- Fossil fuel use from coal, petroleum, and natural gas
- Water scarcity that considers the water deprived from a given region
- Freshwater ecotoxicity that reviews toxins released to the environment
- Human impact that reviews emissions directly harmful to humans
- Freshwater eutrophication that can cause algal blooms and harm marine life
- Mineral resource usage to review the impact on limited natural resources

Each analysis can provide a thorough review of a product and is able to compare two separate packaging solutions to review each metric more thoroughly. At the end of this assessment, the report is provided to the client to help with future decisions or reporting Scope 3 emissions data (shown below).



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Have questions? Contact us!  
We can customize a solution for you.