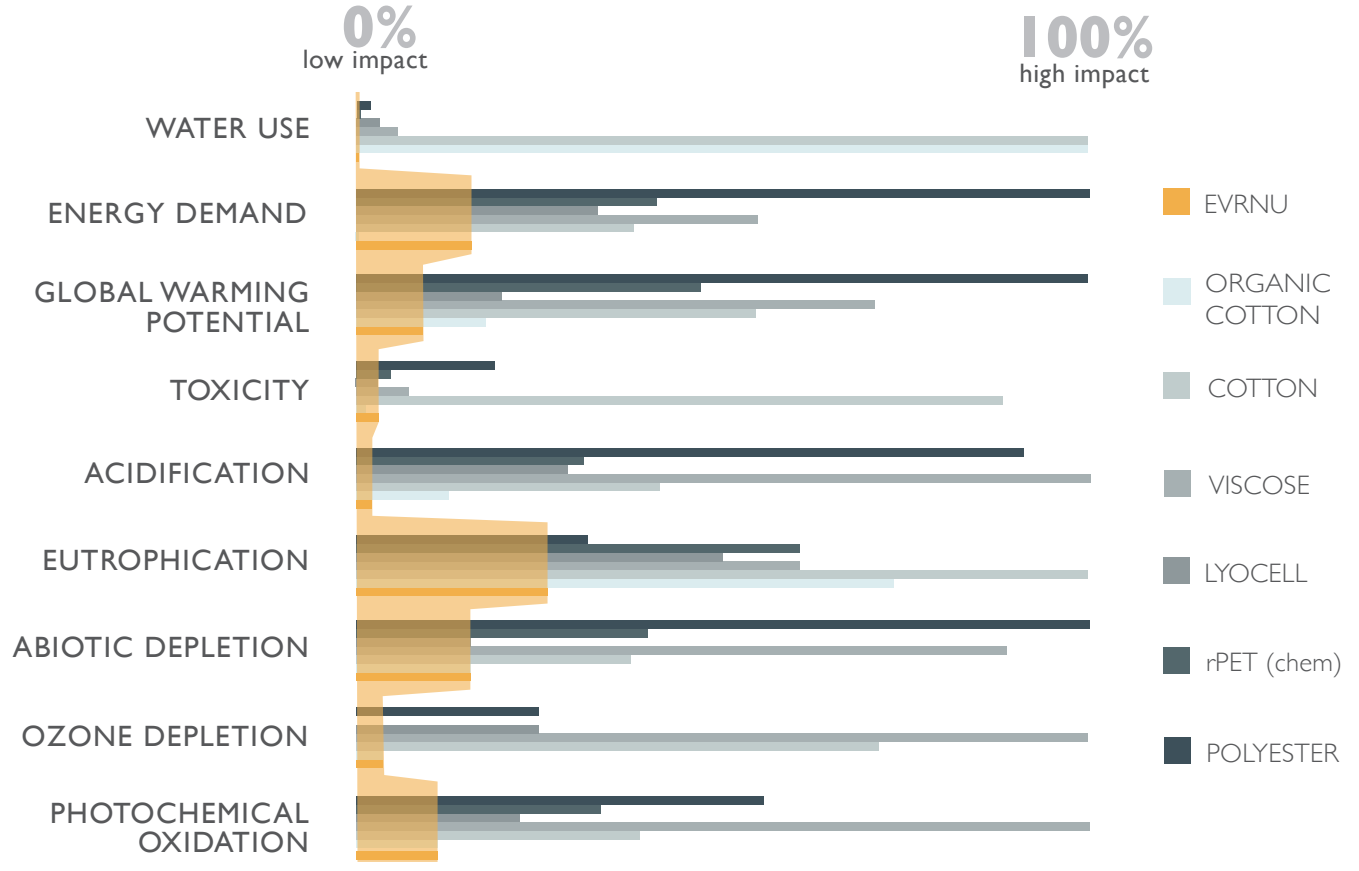
PRELIMINARY LIFECYCLE ANALYSIS
EVRNU® BIO-BASED FIBER TECHNOLOGY

Evrnu technology creates a regenerative supply of high quality, bio-based fiber through the continual renewal of cotton garment waste without compromise to quality or apparel design.

- Evrnu's preliminary estimate of environmental impact is based on initial bulk inputs of post consumer waste cotton, proprietary processes for the cleaning and purification of waste and the extrusion of new textile fiber
- Evrnu's estimation method combined the best current estimated data for energy use and materials in its core process. It is based on data from Evrnu's laboratory prototypes and from pre-existing, peer-reviewed papers and industry white papers. We assumed a 10% working loss on raw materials and have over estimated in all lifecycle analysis (LCA) categories.
- This estimate does not account for the impact of eliminating negative effects of displaced fiber or reduced waste. Some data on the impacts of bulk inputs could not be sourced.
- The Evrnu preliminary LCA is not a final assessment. It is the first step of a living analysis, and provides a baseline to expand upon and refine as bulk prototyping begins.



Photochemical Oxidants (smog)
Ozone Depletion (causes the holes in the ozone)
Abiotic Depletion (renewable and non-renewable resource depletion)
Eutrophication (increased non-natural chemicals like phosphorus in atmosphere: algal blooms)
Acidification (acidification of soil and water)

Toxicity (carcinogens released)
Global Warming Potential (climate change)
Energy Demand (total energy use for production)
Water Use (total water use for production)

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EVRNU, SOCIAL PURPOSE CORPORATION
Stacy Flynn, CEO • stacy@evrnu.com • 917 450 8374