

## Battery recycling process

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Sample MATLAB code for the recycling model described here is available at <https://github.com/rciez2125/batteryRecycling>. Sample calculations for the process-based cost model of cathode manufacturing are available in the Supplementary Information files.

The authors declare that the data used as model inputs supporting the findings of this study are available within the paper and its Supplementary Information files. Additional questions about the data supporting the findings of this study can be directed to the corresponding author.

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R.E.C. designed the research with input from J.F.W. R.E.C. conducted the majority of the analysis and wrote most of the paper. J.F.W. made significant contributions to the analysis and editing of the paper.

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