Name: Date: Class:

Life Cycle Analysis - Embodied Energy Click Sheet

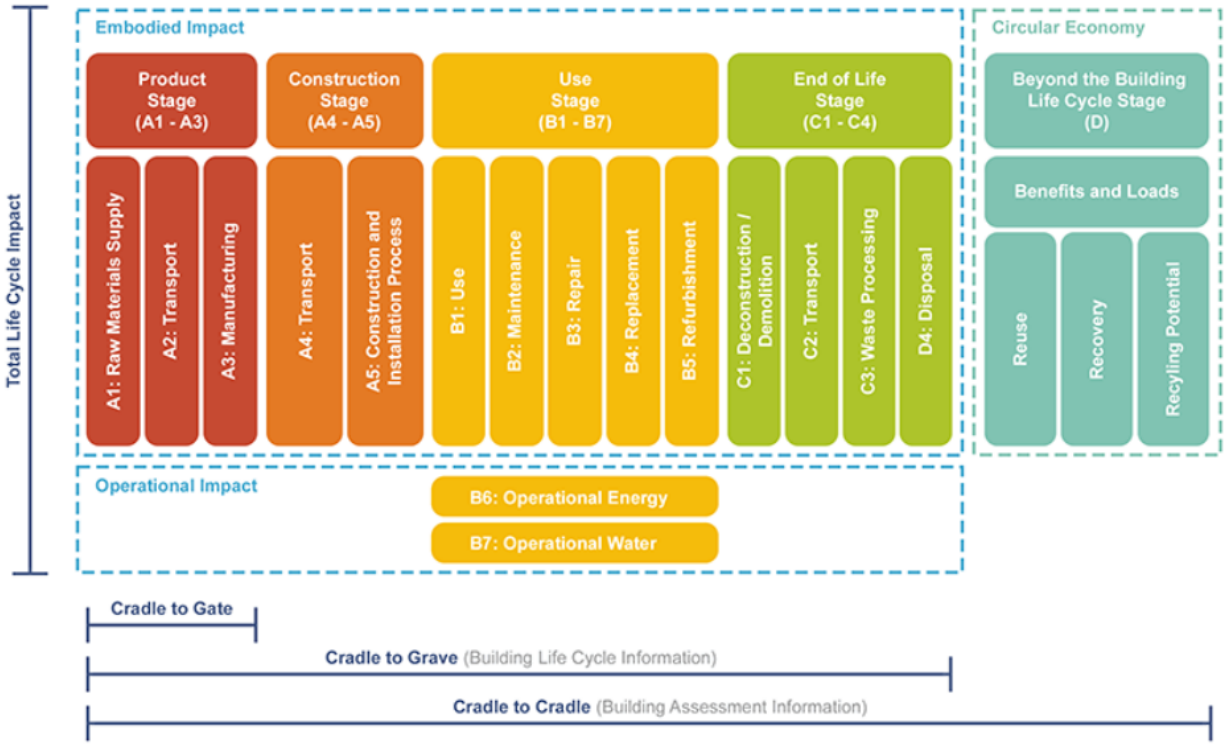


Image credit Browningday.com

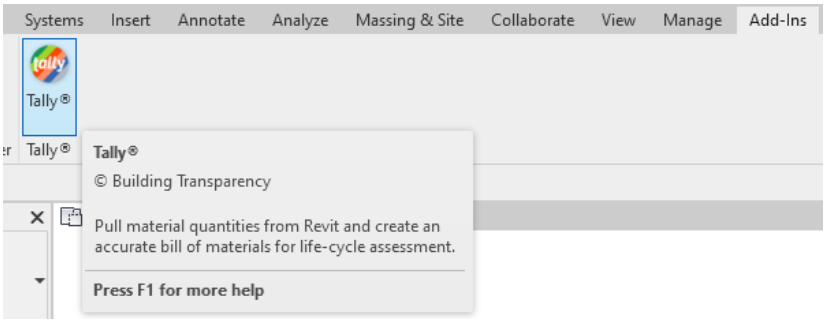
You remember the life cycle phases, right? We are going to use two different plug-in apps with Revit to see how much global warming potential (GWP) your structure has. Tally will allow you to look at the EE-Embodied Energy (A1-A5 and C1-C4 and D). Energy Plus will allow you to look at the OE-Operational Energy (B1-B7).

The overall GWP is the sum of the numbers you will get from both of these exercises. GWP=EE+OE

Find EMBODIED ENERGY by using Tally Plug-In

A) Open your model.

B) Add-Ins→Tally.



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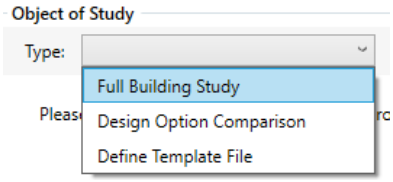
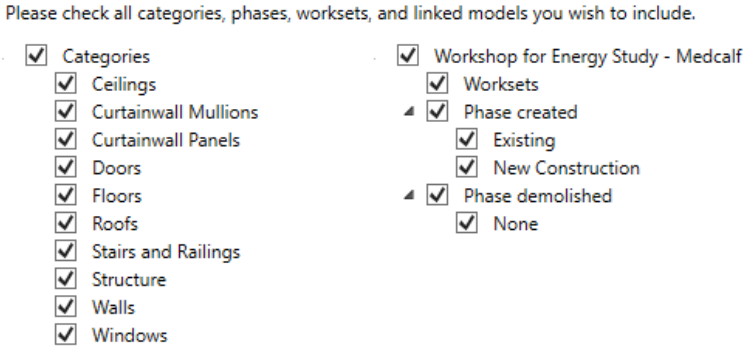
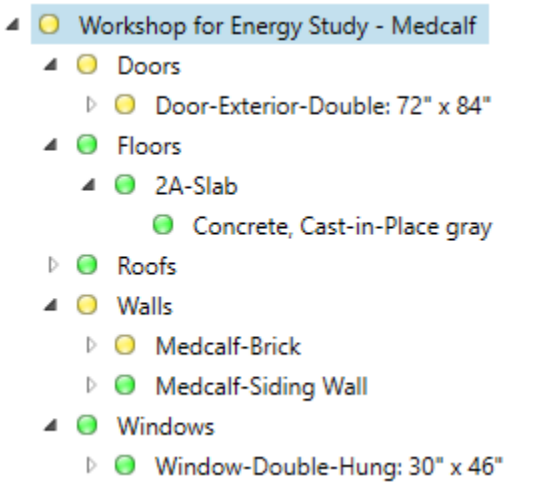
C) Full Building Study.



D) Click ALL for Categories and Model, then APPLY.



E) Every Material DOT that is not green needs to be defined. Here is a sheet with definitions that you can use.



F) Use the Manage Definitions for Tally sheet to complete the definitions for each component.

G) Click the top button to SAVE REPORT. You will need to complete some other boxes prior to generating the report. After you do all these, click SAVE.

NOTE: The COVER field is asking if you want to include a picture on the cover page of your report. I took a screenshot of my workshop in 3D view and saved it to my Pictures folder as a PNG file. I then mapped this location and it uploaded the image.

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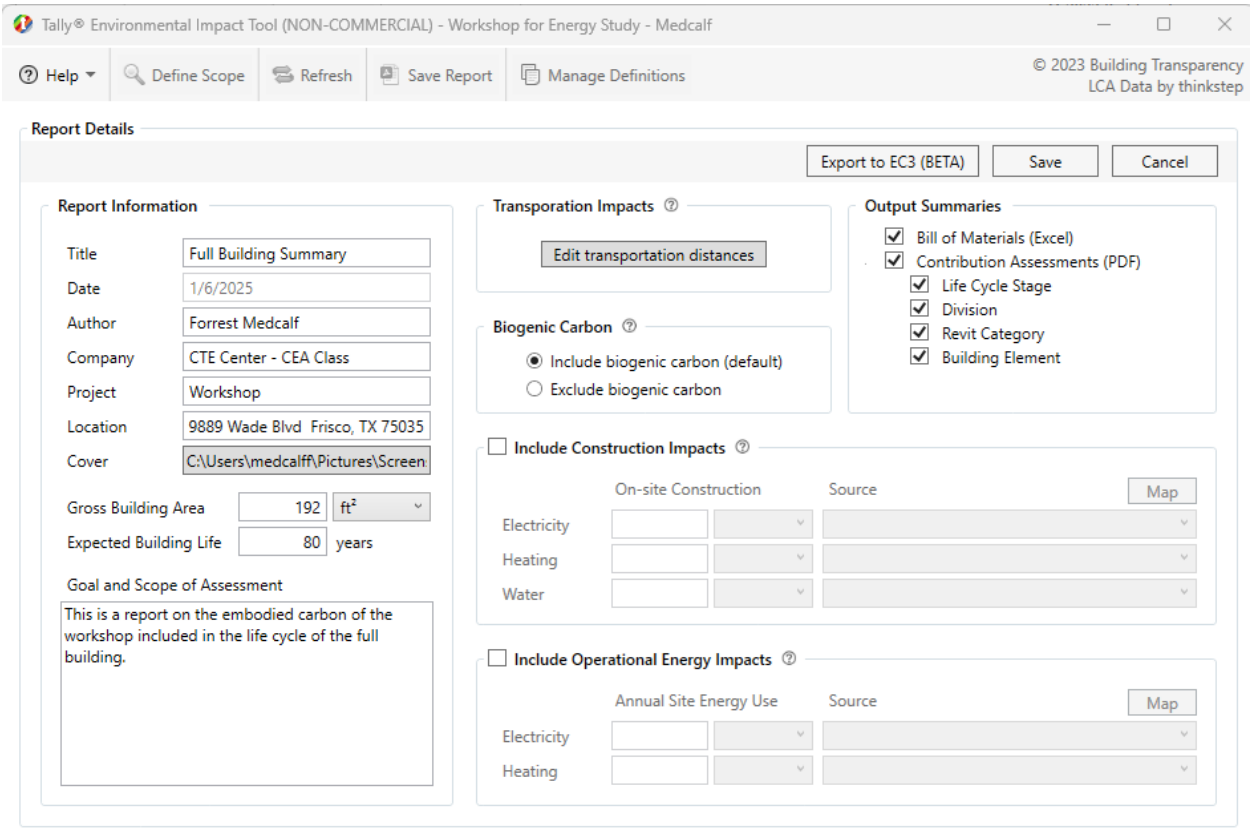

Before generating the report, you must save it. I saved mine as “Medcalf-Tally Report-Workshop.” Be sure and save it to a location that you will be able to locate.

Tally will create two files. It will create a PDF report and it will create an Excel spreadsheet with all calculations and data. MOVE BOTH OF THESE FILES TO YOUR GOOGLE DRIVE.