Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Company: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Please note that this homework will only reference three tabs of the WARM tool. Other tabs provide additional information which a participant is welcome to review, but SSC will not be referencing these tabs specifically during Session 6.**

1. Create or obtain a list of waste streams, their weights, and their end-of-life scenarios for the site and/or company. Open the Waste Reduction Model ([WARM](https://www.epa.gov/warm/versions-waste-reduction-model-warm#15)) tool from the EPA. On the *Analysis* tab, input the information listed in columns C-K. If a specific material is not listed, include its information in the most appropriate category. Review the information in rows 79 and on and adjust inputs as necessary.
2. Review the results on the *Summary Report (MTCO2E)* tab. Review both the total emissions listed in J13 and the total emissions from each waste stream listed in column J. Note that negative values are correct (see presentation 6 for details). Which waste streams contributed the most to the total in J13?
3. Was it surprising which waste streams contributed the most to the total emissions value? Why or why not? Were there any other waste streams whose contribution surprised you? Why or why not?
4. Review the *Analysis Results (MTCO2E)* tab. The first table lists the emissions factors per waste stream and outlet scenario. The second table is a more specific breakdown of waste streams and their influence on total emissions based on inputs provided. After reviewing either table, are there any changes to the answer to Question 3?
5. **Bonus:** Return to the *Analysis Inputs* tab. Copy the data input in columns G-K and copy it to columns Q-U. Review the input data and identify any alternative outlets or source reduction possibilities. Based on your findings from reviewing, adjust the data now in columns Q-U. How do the results on the *Summary Report (MTCO2E)* tab columns L-S compare to columns D-J? Are there any changes which are surprising? Reference the *Analysis Results (MTCO2E)* tab as necessary for more information.