

Life Cycle Assessment Group Project:

LCA Project: Overview

- Background
 - Your group is in charge of technology selection for a manufacturer or government agency purchasing
 - You have been asked to provide guidance on the environmental characteristics of some alternatives
- Your task
 - Select a set of products on which to perform a comparative LCA
 - Deliverable: 15-20 minute presentation
 - What is product and how is it processed?
 - Goal & scope
 - Inventory
 - Impact assessment
 - Recommendations

LCA Project Presentation Issues to Address

- **Question:**
 - What is the question you are trying to answer?
 - Who would the expected audience be?
 - What types of decisions would be made?
 - What challenges exist communicating to this audience?
- **Goal & Scope**
 - What is your functional unit?
 - How was it selected?
 - What alternatives are being considered?
 - What processing, use and disposal activities are included in your assessment?
 - Provide a flowchart of processing, use and disposal activities



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LCA Project Presentation Issues to Address (cont.)

- **Inventory:** *Describe the inventory results*
 - What are the largest emissions in terms of mass?
 - What are the largest material flows in mass?
 - How do processing, use and disposal compare?
- **Impact Assessment:** *Describe the assessment results considering Cumulative Energy, EPS, and Eco-Indicator*
 - What are the largest drivers of the result?
 - How do processing, use and disposal compare?
- **Recommendations & Discussion**
 - What would you recommend based on your assessment?
 - How comfortable are you with using these metrics to make decisions?
 - What would you expect to cause these results to change?
 - **Limitations:** Describe the limitations in your study -- I would like to see emphasis on this section.



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