

LCA Scoping Committee

Rita Schenck, IERE

Keith Christman, ACC

17 April 2008



Goal of the Committee

- Support Wal-Mart's Packaging SVN by Providing a model for scoping an LCA
 - That is comprehensive
 - Follows ISO 14040 and ISO 14044
 - Provides a level playing field for all participating industries
- Intent is to inform the next version of the scorecard

WAL ★ MART

Expected Outcomes

- A document describing the full LCA Scope
 - For a single example (a food container)
- A document describing the process for developing an LCA scope
 - Multi-stakeholder
 - Transparent



Chosen Product

- A Primary food container
- Multiple servings (about 16 ounces)
- Shelf stable for at least 12 months



- Can be made of many different materials
- Many industries working together



Participants

- Joe Cattaneo, Glass Packaging Institute
- Keith Christman, American Chemistry Council-Plastics Division
- Jerry Claes, Graham Packaging
- Ron Cotterman, Sealed Air
- Marla Donahue, Flexible Packaging Council
- **Bill Franklin, Franklin & Associates**
- **Tom Gloria, Equilibrium**
- Bill Heenan Steel Recycling Institute
- Andrei Kotchetov, Glass Packaging Institute
- **Mike Levy, American Chemistry Council- Plastics Division**
- **Ken Martchek Alcoa**
- Kevin Ott, Society of the Plastics Industry
- Dennis Sabourin, Napcor
- **Bev Sauer, Franklin & Associates**
- **Rita Schenck, IERE**
- Ram Singhal, Flexible Packaging Council
- Bill Strieter, Aluminum Association
- **Jason Wadsworth, Wegmans/Food Marketing Institute**
- **Jeannine von Zastrow, Food Marketing Institute**
- Jeff Wooster, Dow
- **Amy Zettlemyer, Wal-Mart**

Others Expressing Interest

- Closure Manufacturers
- Grocery Manufacturers Association



Timeline

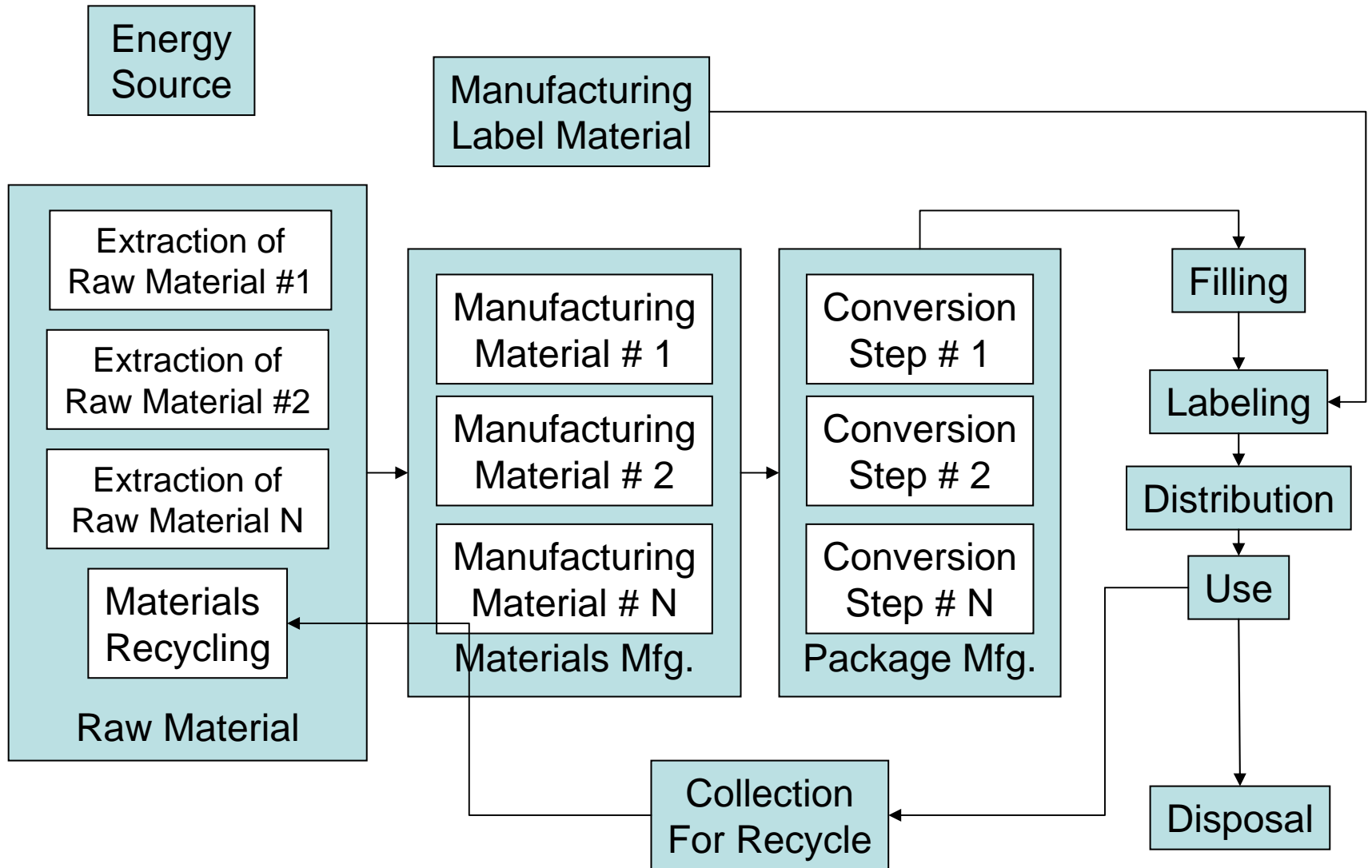
- First conference call in November 2007
- Met in person in January
- Approximately monthly conference calls
- Completion planned for June

Activities

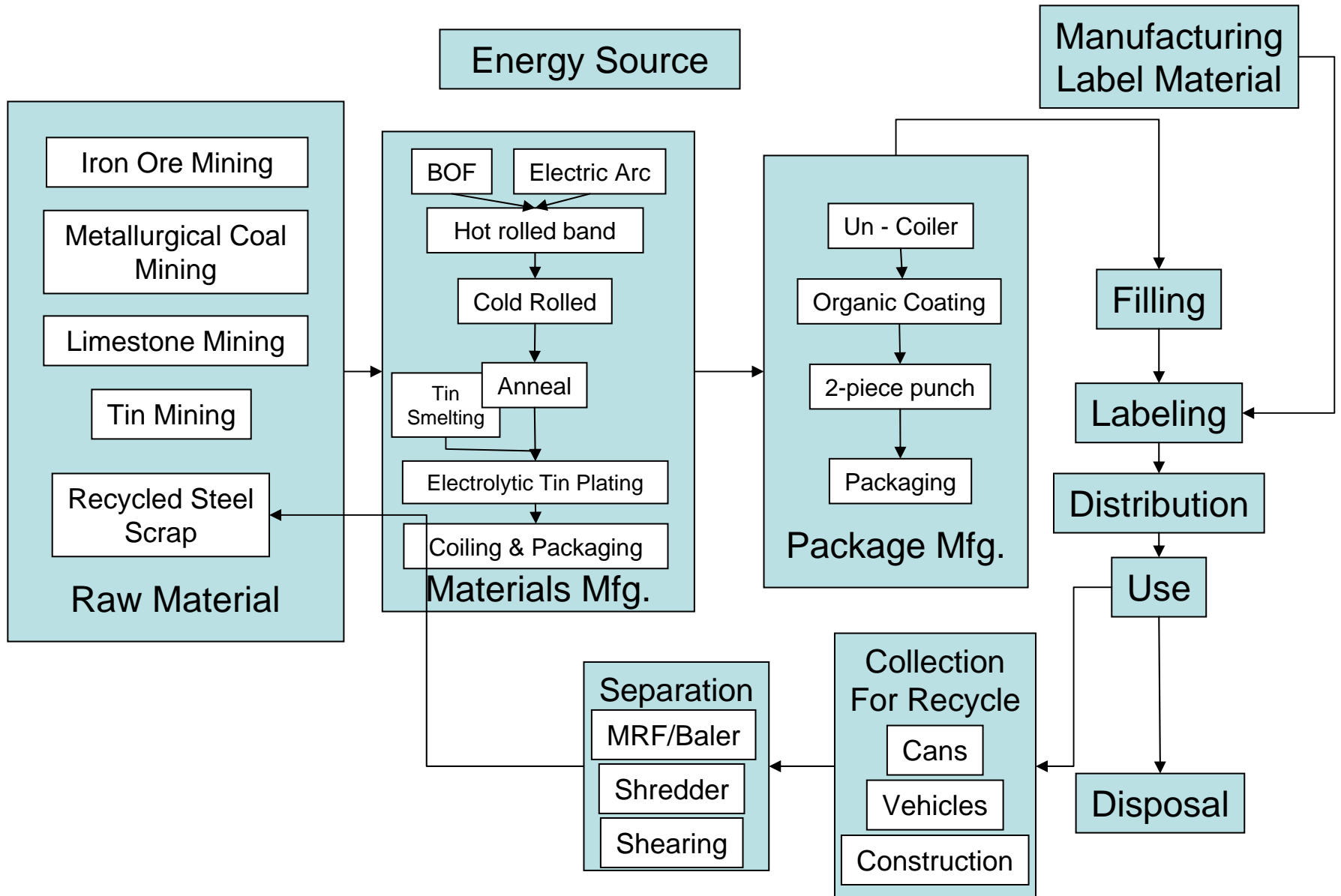
- Developed a general flow chart
- Developed industry-specific flow charts
- Made straw-man decisions on almost all ISO-required points
- Steel, aluminum, glass, ACC-plastics and PET recycling industry confirmed those decisions



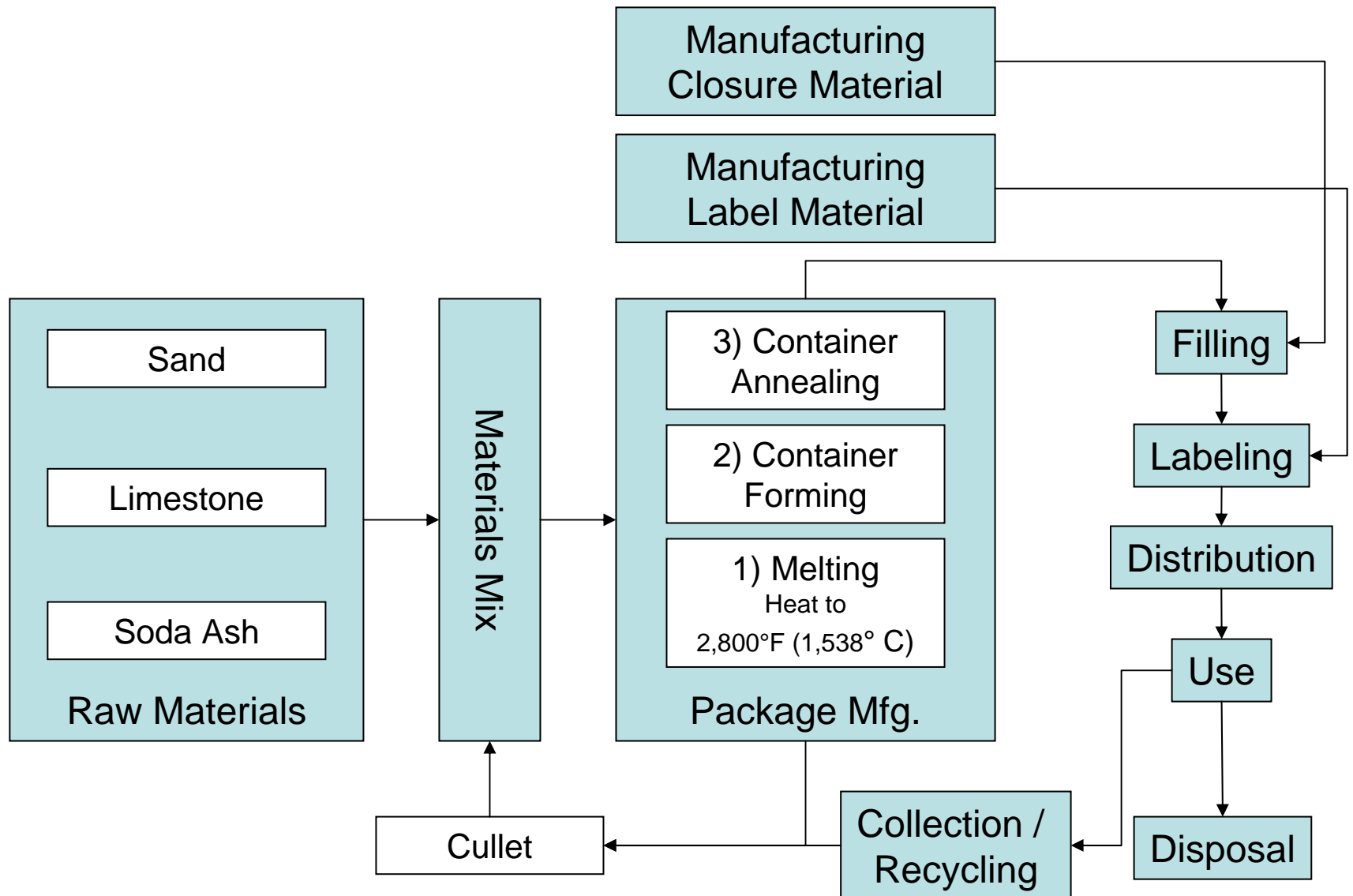
General Food Container Flow Chart



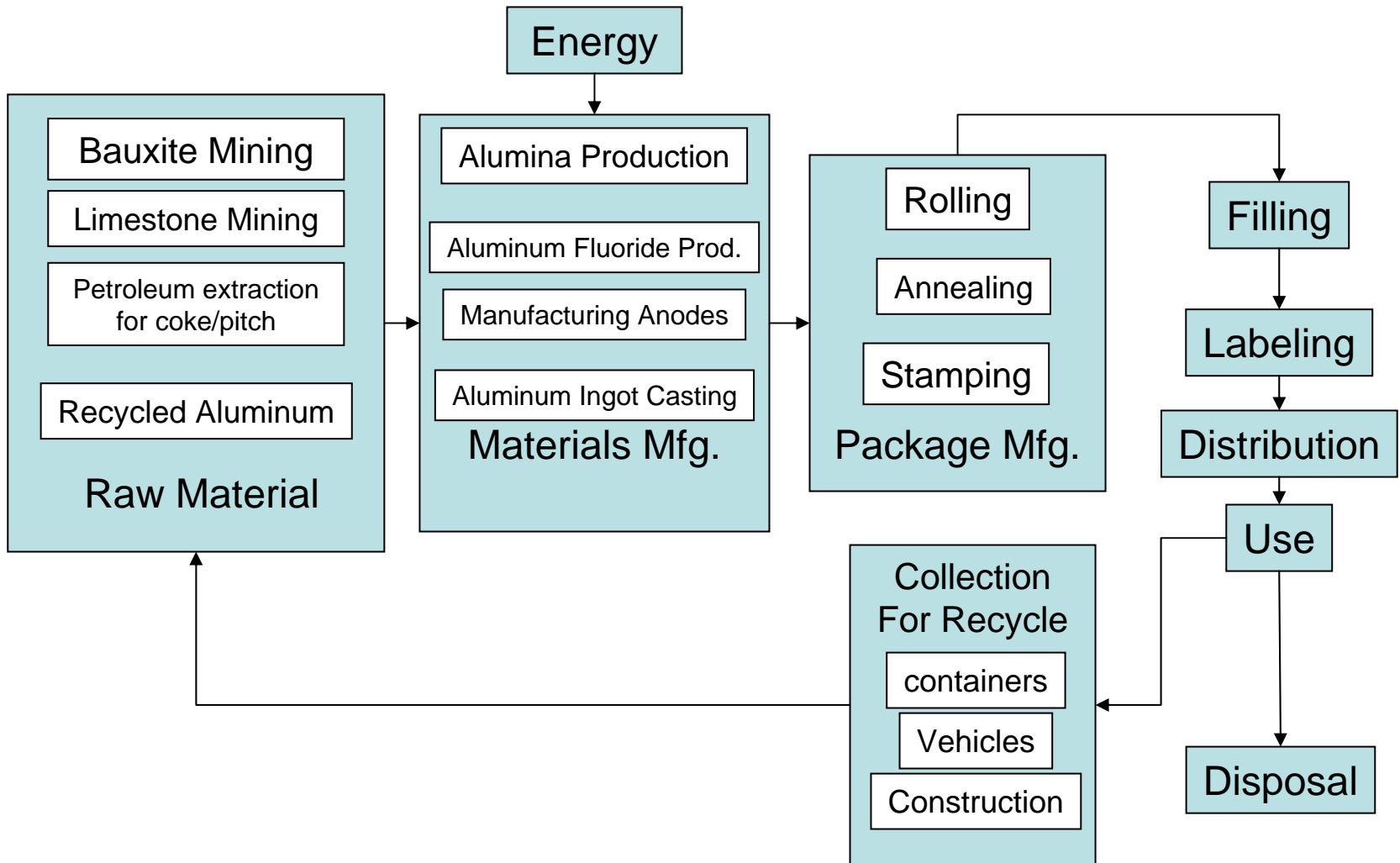
Steel Food Container Flow Chart



Glass Food Container Flow Chart



Aluminum Food Container Flow Chart

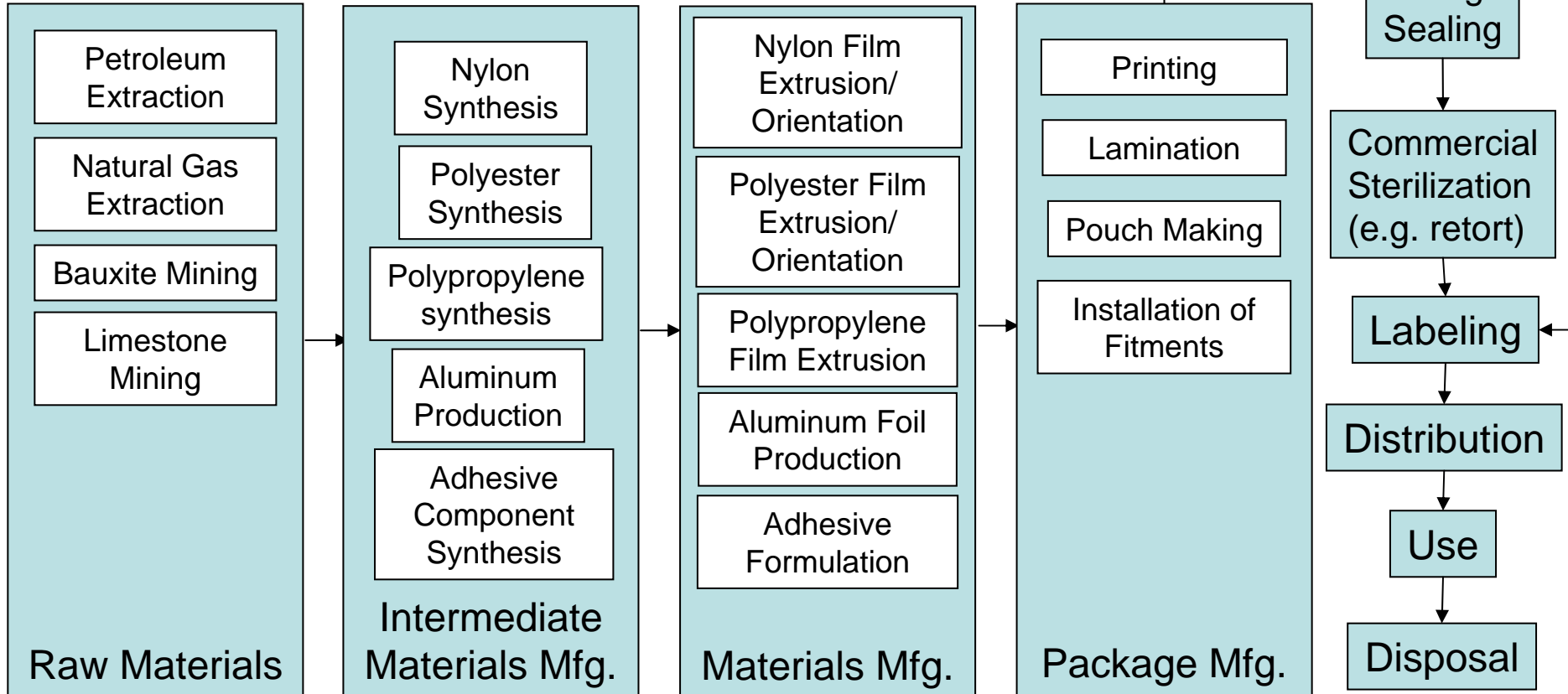


Flexible Pouch Flow Chart

OPET//FOIL//OPA//CPP

Energy Source

Manufacturing Label Material



Important Decisions Made

- Coverage will be the containers whose last conversion step is made in the USA or Canada
- Output should be a simple mix-and-match spreadsheet for the **industry average** conditions
- Use existing materials data (in US LCI database)
www.nrel.gov/lci/
- New data should go into the US LCI database
- Primary data should be collected using statistically valid sampling rather than an industry coverage approach



Other Steps Planned

- In-person meeting to discuss/decide
 - Impact models
 - Data sources
- Outreach to GMA & FMI & Label Manufacturers
- Writing up reports
- Goal to be complete by end of June

