

## A Different Kind of Waste-to-Energy: The Case of Plastic to Crude

Session 4: Waste-to-Energy Opportunities and Barriers presentation for ACCO Conference *Managing Waste* 

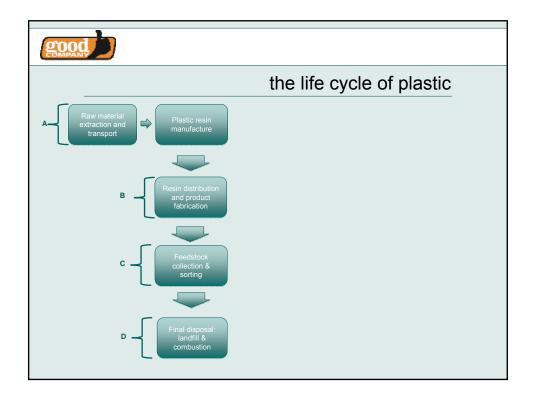
Portland, OR October 19, 2010

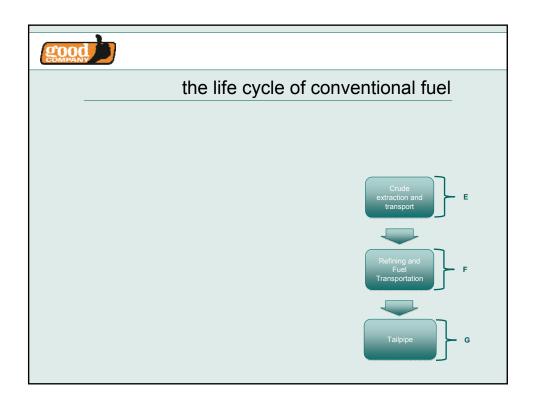
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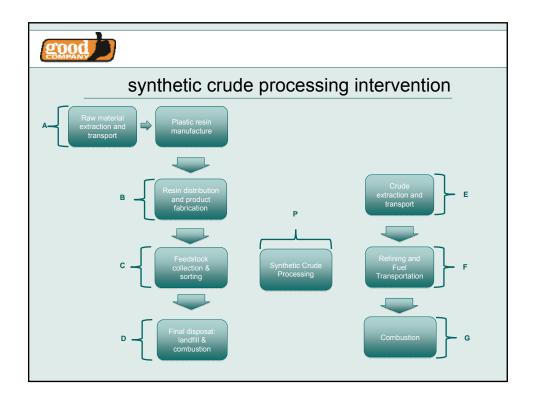


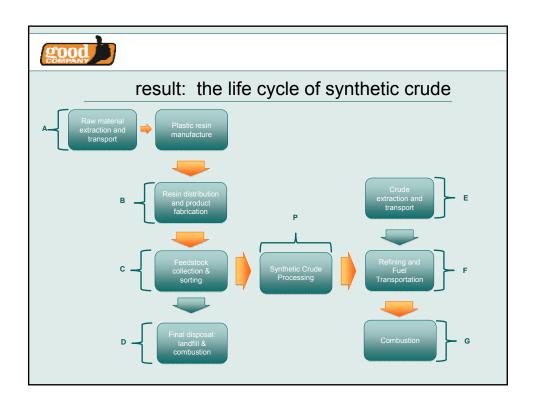
## overview

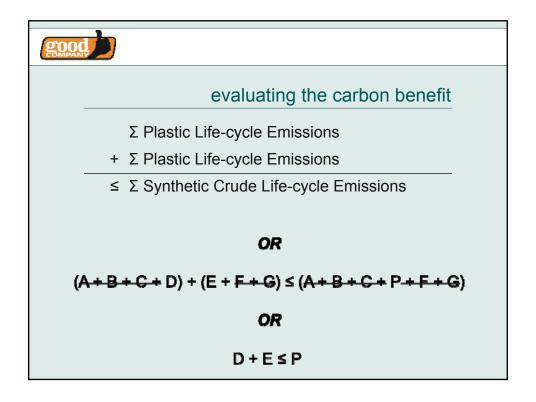
- a particular version of waste-to-energy
- unconventional tech, unconventional method
  - careful boundaries, a different "functional unit"
  - sources and assumptions
  - key parameters
- quantitative punchlines
  - waste plastic derived synthetic crude oil is "better" than almost all alternative end-of-life scenarios for the waste plastic feedstock
  - the details are interesting and might matter for marketing, positioning and regional approaches

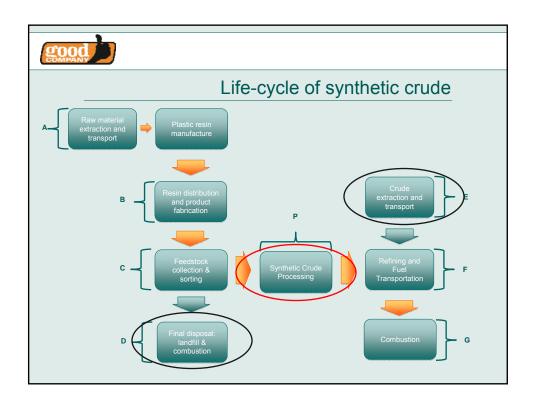


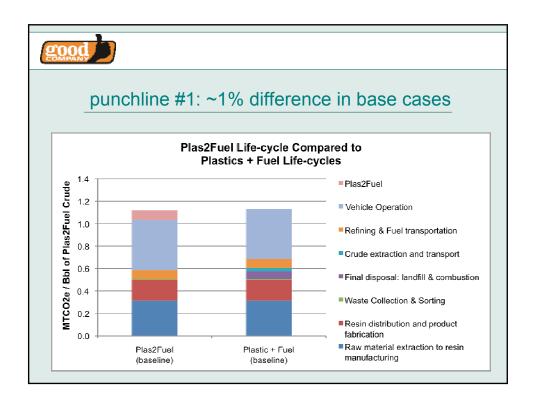


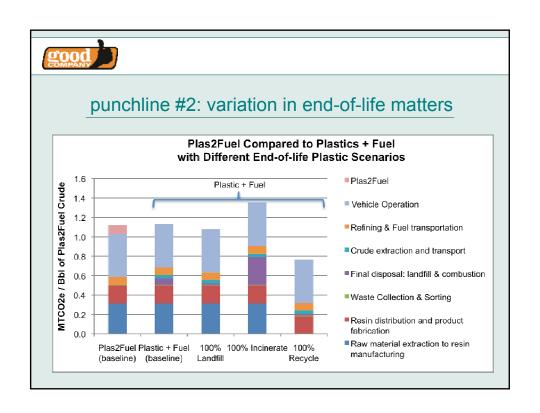


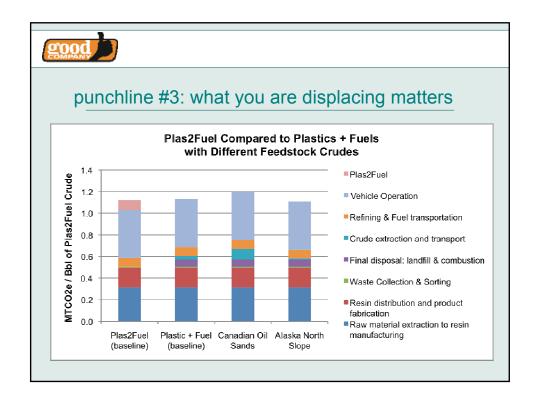














## summary points

- · recycling is the best end-of-life scenario
- Plas2Fuel outperforms all incineration options
- landfilling looks better than Plas2Fuel with "carbon goggles" on, but only if nothing else matters
- oil sands crude strengthens Plas2Fuel's position, but even ANS doesn't change much

