Closed-Loop Supply Chains & Natural Resource Scarcity

• The overall research objective is to better understand how and why supply chain managers are managing CLSC strategies to mitigate the impact of natural resource scarcity (Figure 1).
  – 4 firms facing natural resource scarcities in the four categories in Figure 2 were sought for inclusion in the case project.
  – Case 1 included a Company operating in the Globally Scarce/ Locally Available Nonrenewable Resource Category

• Results mapped to the categories display in Figure 3.
  – A broad range of resource advantages went beyond competencies and included relationships, finances, and logistics
  – Policy involvement and compliance are an important factor in maintaining a competitive edge in industries operating in this category.
  – Recognition of the scarcity of the resources tended to be lacking (as is displayed in Figure 1)

• Data collection for Case 2 is completed at a firm operating in the globally scarce/renewable category with analysis underway. Data collection for Case 3 and 4 are scheduled with an expected completion within 2014.

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