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Darren Narayan* (dansma@rit.edu), School of Mathematical Sciences, 85 Lomb Memorial Drive, Rochester Institute of Technology, Rochester, NY 14623-5604. *Trash Talking: Making Connections with the Waste / Recycling Industry.*

We will present applications of graph theory and a modified traveling salesman approach to optimizing route pickups by a local waste / recycling company in Rochester, NY. We will discuss the surprising number of intricacies involved in solving these problems. In addition, we will talk about how to start communication and build a successful relationship with this industry. (Received July 27, 2018)