

## Resource Recovery Squad Utopia Waste Management Plan Worksheet

**Student Name:**

**Class:**

**Date:**

Welcome to the Resource Recovery Squad. You're a unique breed of thinker because you grasp some of life's biggest theories... such as the law of conservation of energy that means that various forms of energy can neither be created nor destroyed; rather, they can only be transformed or transferred from one form to another. You're also driven to apply a similar law to various waste streams as those wastes shouldn't be destroyed but deserve to be transformed or transferred into one form or another. Ta-da, that's your group's motto. *Waste cannot be destroyed, only converted!*

Unlike other groups, you have the creative imagination to see multiple ways to reuse or convert what most other people see only as waste or unwanted byproducts of waste management. That's also why where others only see challenges in waste management, you see all kinds of cool solutions in resource recovery. You also turn the word, "can't" into "here's how" involving waste recovery and conversion.

In class Sessions 3 and 4, all of the groups will present their plans then have a class debate on solutions to developing an overall waste management plan that best serves the combined interests of the various groups and the community of Utopia.

Being blessed with such clever minds in your squad however comes with a price. Some of the other groups may view you as kooks with your heads in the clouds. Don't fret though, you'll be able to support your creative imaginations using some of the following methods when developing your plan and debating in class:

- Begin your research by watching the classroom video, *Diverting Banned Waste* (weblink TBD)
- History can sometimes chart the future. So support your RRS ideas by researching and presenting examples of how creative thinking and technology helped in converting wastes into valued products.
- What waste streams or byproducts are underutilized in resource recovery and how could you work with other groups to convert certain wastes into resources.
- Because you see "solutions for resources" instead of "problems with wastes" research and come up with several ideas that might help other stakeholder groups achieve their goals while sticking true to your motto. Wade into the classroom debate when you see creative solutions to others challenges.