

WM Engineers Unleashed Utopia Waste Management Plan Worksheet

Student Name:

Class:

Date:

You've worked hard to earn the distinction as the solution wizards of WM Engineers Unleashed. Using the power of your can-do brains combined with emerging technologies, you're the leader in innovative solutions to the challenges everyone faces in waste management. In fact, the other groups can't begin to appreciate all you can do with technology and engineering in coming up with a "buttoned-up" Utopia Waste Management Plan. But fear not. Because they're about to find out!

Unlike other groups that are driven by emotions or self-interests, you're like a methodical super computer-driven robot able to systematically decode almost any waste management challenge. And because your vision isn't clouded like the other groups, you need to stand tall like a beacon in the fog, helping guide the rest to see the engineered light of a brilliant waste management plan.

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.

However, the other groups may see you as "the calculated know-it-alls" and resist the pure logic and science of your input. That's why you need to dig deep into supporting research to present the hard facts of what's actually possible with technology. So use some of the following methods when developing your plan and debating in class:

- Begin your research by watching the classroom video, *Unearthing Landfills* (weblink TBD)
- Research how recent developments in technology and engineering are already making a significant difference in managing certain waste streams or byproducts.
- Consider how unleashing your engineering genius can help other groups achieve some of their goals or modify their solutions in creating the ideal waste management plan for Utopia. Be prepared to refine their ideas.
- During debate, you alone have the power to determine what's technically possible in creating waste management solutions, so use your voice and logic to solidly steer the debate away from emotion, economics, or slanted interests.