Municipal Solid Waste Decision Support Tool

One of the greatest challenges municipalities face is the cost-effective and environmentally sound management of waste. From a sustainability perspective, the generation of waste is an inefficient use of natural resources, and millions of dollars are spent each year to manage these wastes. The Municipal Solid Waste Decision Support Tool (MSW DST) enables users to gather credible, science-based, objective information for evaluating strategies to make more informed and defensible decisions.

Achieving Sustainable MSW Strategies

Working in cooperation with the U.S. Environmental Protection Agency, RTI International has developed the MSW DST to provide solid waste planners with a standard approach to evaluating the cost and environmental aspects of integrated waste management strategies.

How the MSW DST Works

The MSW DST allows you to simulate existing systems and analyze new proposed systems for managing waste. You can run the tool using its embedded North American default data and assumptions, or you can customize inputs to mimic site- or region-specific conditions. Customizable aspects include the following:

- Residential, multifamily, and commercial waste generation sector tonnage, composition, and collection attributes
- Waste management process design and operating specifications
- Cost and life cycle parameters to track and report
- Economic, energy use, and emissions factors for waste management processes

The MSW DST has been released for a 60-day free trial period. RTI will provide limited user support during this 60-day period. After the trial period ends, future pricing will be determined.

How the MSW DST Can Be Used

The MSW DST can be useful to planners and decision makers in a variety of ways:

- Quantifying the cost and environmental aspects for alternative waste management technologies and systems
- Evaluating alternatives for meeting landfill diversion, carbon emissions reduction, renewable energy, and other environmental initiatives
- Identifying opportunities to reduce cost and environmental impacts
- Identifying risks with respect to cost and environmental attributes

More Information

Keith Weitz
919.541.6973
kaw@rti.org

RTI International
3040 E. Cornwallis Road, PO Box 12194
Research Triangle Park, NC 27709-2194 USA

RTI 8311 0213