Module 1: Solid Waste Emissions Estimation Tool Training – Introduction and Objectives

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Welcome

- The United States Environmental Protection Agency (U.S. EPA) developed this training in support of the Global Methane Initiative (GMI). <u>What is the GMI?</u>

- This self-paced training is designed to equip users with the knowledge and skills needed to effectively use the Solid Waste Emissions Estimation Tool (SWEET).

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About Module 1

This module introduces users to the **objectives** of the training on GMI's Solid Waste Emissions Estimation Tool (SWEET) and **highlights the uses** of this training.

SWEET
SOLID WASTE EMISSIONS ESTIMATION TOOL

How to Navigate

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Objectives of the Training

- Learn how to apply SWEET to real-world scenarios through exercises using sample datasets for composting, anaerobic digestion, and landfill gas capture.

- Gain a deep understanding of SWEET's functionalities, assumptions, and limitations.

- Discover how to obtain the necessary data to use SWEET to obtain the best possible estimation results.

Who will benefit from this training?

After this training, stakeholders will be able to:

- ✓ Assess emissions from current and alternative municipal solid waste (MSW) management scenarios.

- ✓ Set MSW priorities and track emissions over time.

- ✓ Estimate the potential greenhouse gas (GHG) and short-lived climate pollutant (SLCP) emission reductions from a proposed project.

- ✓ Guide decision-makers on estimating GHG and SLCP emissions from the waste sector.

- ✓ Analyze the impact of MSW choices on GHG and SLCP emissions.

SWEET Training Modules

Module 1:   Introduction and Objectives

Module 2:   Quick Start Tutorial on the Solid Waste Emissions Estimation Tool (SWEET)

Module 3:   Estimating Baseline Solid Waste GHG and SLCP emissions

Module 4:   Composting Example: Estimating potential emission reductions from a composting project

Module 5:   Anaerobic Digestion (AD) Example: Estimating potential emission reductions from an AD project

Module 6:   Landfill Gas (LFG) Example: Estimating potential emission reductions from an LFG capture project

Module 7:   Multiple Projects Example: Estimating potential emissions reductions from implementing multiple simultaneous waste projects

Module 8:   Recommendations for real life data analysis

Congratulations! You have completed Module 1.

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