



Addressing Technical and Financial Barriers to Methane Recovery Projects in the Wastewater Sector

Global Methane Forum
Toronto, Ontario
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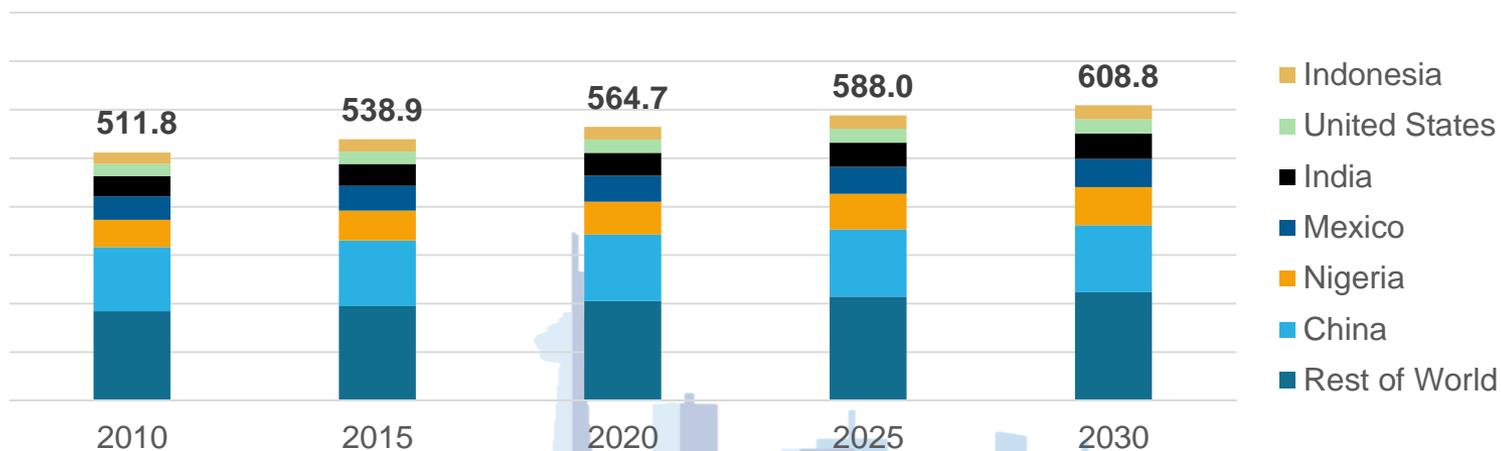
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Methane Emissions from the Municipal Wastewater Sector

- Wastewater is the fifth-largest source of anthropogenic methane emissions globally
- Annual emissions are projected to grow by 20% between 2010 and 2030

Methane Emissions from Wastewater: 2010-2030 (MtCO₂e)



Data Source: U.S. Environmental Protection Agency, 2012. Non-CO₂ Greenhouse Gases: International Emissions and Projections.

Technical and Financial Barriers to Methane Recovery

- Numerous methane recovery approaches (e.g., installing anaerobic digesters)
- However, several barriers impede methane recovery
 - Lack of expertise or awareness of recovery and use technologies and practices
 - High costs of recovery and use technologies and lack of access to financing
 - Unfavorable energy or utility policies
 - Lack of data on emissions produced within the wastewater sector

Panel Introduction

- Objectives
 - Raise awareness about the technical and financial challenges cities face in developing and operating projects
 - Highlight ongoing efforts at the local and national levels in key countries (China, Mexico, Canada)
 - Articulate ways Global Methane Forum participants can be engaged in supporting cities' efforts

- Format
 - Brief presentations on technical and financial barriers
 - National, municipal, and private sector perspectives
 - Q&A session

Speakers

Name	Affiliation	Topic
Ms. Jennifer Turner*	China Environment Forum, Woodrow Wilson Center	National Context in China: Opportunities and Barriers
Mr. Dou Wenlong*	TOVEN	Case Study: Yuliangzhou's Sludge-to-Energy Plant in Xiangyang City
Adalberto Noyola	National Autonomous University of Mexico	National Context in Mexico: Opportunities and Barriers
Michael Theodoulou	Suez Water Treatment Solutions North America	Case Study: Juarez's South Wastewater Treatment Plant
Indra Maharjan	Ontario Clean Water Agency	Technology Innovation and Financing Best Practices from Ontario

* Joint presentation