

Global Methane Initiative Biogas Subcommittee Update

Madison, Wisconsin, USA
October 2019



2018 Accomplishments



Successful Completion of Biogas Components of Global Methane Forum in Toronto

Developed and delivered 3 technical sessions
High-level meeting with CCAC Agriculture Initiative
Biogas Subcommittee in-person annual meeting



■ Primary Collaboration

– Partner Countries, Project Network Representatives, CCAC Waste Initiative, International Solid Waste Assn, World Biogas Association

■ Tools and Resources

– BioWATT; Anaerobic Digestion, Solid Waste Emissions & LFG Screening Tools; Agriculture Resource Assessments; Manure Digester Assessment

■ Outreach

World Gas Conference, UK AD & World Biogas Expo, ManuResource



2019 Activities and Updates

- **New Co-Chair: Nick Elger, US EPA**
- **Support Global Methane Challenge**
 - Country-specific highlights (India, Mexico, Philippines, Serbia, Kazakhstan, Canada, US)
 - Showcase innovation and leadership
 - Leverage NGO and Partner Delegate networks
- **Geographic Focus for GMI Biogas**
 - China, India, Mexico, Kazakhstan
- **Technical Areas**
 - Best practices for food/organic waste & wastewater treatment
 - Advanced manure management & sustainable agriculture
 - Co-digestion of sludge, manure, ag residuals and food wastes
 - Renewable natural gas production





Naucalpan

Naucalpan de Juárez, Mexico – Improving Waste Management Practices and Reducing Methane Emissions

In 2016, Naucalpan de Juárez, Mexico joined the Climate and Clean Air Coalition Municipal Solid Waste Initiative (Waste Initiative) to obtain assistance in improving its waste management practices. Through this partnership, the city received assistance analysing the environmental benefits of a planned mechanical and biological waste treatment facility using the Waste Initiative's Solid Waste Emissions Estimation Tool (SWEET). This analysis suggests that the project will significantly reduce short-lived climate pollutant emissions, including methane emissions, over the coming years.

Background



Punjab Agricultural Management & Extension Training Institute: Advocating No-Burn Agriculture to Reduce Emissions

In partnership with the United Nations Environment Programme and the Climate & Clean Air Coalition, the [Punjab Agricultural Management & Extension Training Institute \(PAMETI\)](#) is providing straw management equipment to adopted villages in the Sangrur and Amritsar Districts in India. PAMETI's goal is to improve agricultural yield and reduce emissions of methane and other greenhouse gases by providing an alternative to burning the rice straw left in the field after harvest.

Adopted Villages



Looking Forward to 2020

- **Biogas Toolkit**
 - A toolkit with over 25 tools to facilitate biogas project development
- **Monitoring, Reporting and Verification (MRV) for Biogas Best Practices**
- **Collaboration with CCAC**
 - Agriculture
 - Municipal Solid Waste
- **Roll out of Outreach Materials**
- **Identify 2020 GMI Biogas Priorities**
 - Strategy Discussion