



# GLOBAL METHANE INITIATIVE: STATEMENT BY MEXICO

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# COAL AND GAS SUBCOMMITTEE

PROJECT	RESULTS	REMARKS
Mitigation of fugitive emissions	Measurement campaigns	At a) exploration and production, b) gas processing complexes and c) petrochemicals. The report produced contains main findings, technical and economic analysis and suggested actions to reduce CH <sub>4</sub> , improve gas utilization and increase operations efficiency
	Methane emissions inventory	a) PEMEX baseline CH <sub>4</sub> emissions inventory: aprox. 36.1 MtCO <sub>2</sub> e/year; b) estimate of savings from cost-effective CH <sub>4</sub> reductions: UD\$ 18 million/year @4.0 USDls/MMBTU; c) full analysis of 16 mitigation actions; and d) technical and economic model of PEMEX methane emissions and emission reduction projects
	Methane abatement cost - analysis	In process; preliminary results allow to Pemex to start determining the right measures to implement in this field



# AGRICULTURAL SUBCOMMITTEE



PROJECT	RESULTS	REMARKS
Development of technical standards for design, construction and installation of anaerobic digester systems. XA-833955801-1	Technical standards for covered anaerobic lagoon digesters systems	The M of Agriculture adopted standards and demanded its compliance, to grant financial support for this kind of biodigester
	Certification scheme for firms and suppliers, in compliance with technical standards	Public database of firms created. 56 companies currently registered. Producers that receive federal funding for anaerobic digesters should choose a firm from the database <a href="http://proyectodeenergiarenovable.com/Empresas/Padron_Biodigestores/">http://proyectodeenergiarenovable.com/Empresas/Padron_Biodigestores/</a>
	Training and promotion	178 representatives from different production organizations received technical training and information about certification procedure and funding
	Handbook of Best Practices for anaerobic digester systems	Designed for livestock producers, firm technicians and local government technicians, distributed through different media



# LANDFILL SUBCOMMITTEE



LANDFILL	ACTIVITY	REMARKS
Monterrey II, Ciudad Juárez	Biogas control and management	12.7, 6.4 MW of electricity
Aguascalientes, Cancun, Durango, Ecatepec, Mérida, Zapopan	Biogas control facilities (CDM)	Flaring
Culiacan, Guadalajara, León, Puerto Vallarta, Queretaro, Tecamac, Tijuana, Temixco	Biogas control project in process (CDM registration)	Flaring proposed (Cancun, electricity)
Cuautla, Ensenada, Nogales, Nuevo Laredo, Saltillo	Biogas feasibility studies concluded	Financed by EPA (Nuevo Laredo in bidding stage)
Guide to landfill gas management	Concluded, to be presented next month	Financed by EPA
Bordo Poniente (Mexico City)	Biogas control and management (electricity)	Bidding process under analysis
CDM Programmatic Framework in Landfills	Study prepared for BANCOMEXT / NAFIN	To be presented to the GEF
Bio-Cancun biodigester (bio-reactor)	Feasibility study concluded, bidding process in preparation	Financed by Environment - Canada

# COAL MINES SUBCOMMITTEE

PROJECT	LOCATION	CO <sub>2</sub> eq	REMARKS
<p>Recovery and managing CMM. Methane emissions reduction through gas capture in 3 mines.</p> <p>Once the project is completed, if completed, it is expected to produce 7 MW electricity</p>	Coal mining region in northern Coahuila	4.18 Mmt per year	In process, at final stage of implementation. Some issues have raised due to certain criteria of the ministry of Economy The company assesses the possibility of recovering methane from mines ventilation



# WATER TREATMENT PLANTS

WTP	CAPACITY	REMARKS
<b>Metro Monterrey (PPP)</b>		
Monterrey, NL (3 WTP)	7.5, 3.0 y 1.9 m <sup>3</sup> /s	2 WTP with electricity generation
<b>Water plants managed by private companies</b>		
Saltillo	1.2 m <sup>3</sup> /s	Anaerobic digestion
Culiacán	1.7 m <sup>3</sup> /s	Anaerobic digestion
New facility Hermosillo	2.5 m <sup>3</sup> /s	Anaerobic digestion
Ciudad Juárez (3 WTP)	2.5, 1.5 / 1.0 m <sup>3</sup> /s	In process, with sludge treatment
Chihuahua (2 WTP)	2.5 y 1.2 m <sup>3</sup> /s	Anaerobic digestion
Tampico	1.5 m <sup>3</sup> /s	Anaerobic digestion
Querétaro	0.75 m <sup>3</sup> /s	Anaerobic digestion
Puebla (5 WTP)	2.62 m <sup>3</sup> /s	Sludge treatment
New facility - León	0.15 m <sup>3</sup> /s	With electricity generation