





SECRETARÍA DE MEDIO AMBIENTE Y RECURSOS NATURALES



GLOBAL METHANE INITIATIVE: STATEMENT BY MEXICO

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OIL AND GAS SUBCOMMITTEE





PROJECT	RESULTS	REMARKS	
Mitigation of fugitive emissions	Measurement campaigns	At a) exploration and production facilities, b) gas processing complexes and c) petrochemicals complex. The report produced contains main findings, technical and economic analysis and suggested actions to reduc CH ₄ , improve gas utilization and increase operations efficiency	
	Methane emissions inventory	 a) PEMEX baseline CH₄ emissions inventory: 36.0 MtCO₂e/year; b) estimate of savings from cost- effective CH₄ reductions: UD\$ 18 million/year @4.0 USDIs/MMBTU; c) full analysis of 16 mitigation actions; and d) technical and economic model of PEMEX methane emissions and emission reduction projects. b) In process: utilization of the GMI Methane emissions inventory model to build the Pemex's base line of GEI and pollutants to air. 	
	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
Construction and installation of anaerobic	Local capacity development	Development of local capacities in operating a support programme for alternative energies in rural areas (FIRCO)
digester systems	Bio-digesters installed in farms in compliance with technical standards	During 2008 – 2012, 323 bio - digesters built under FIRCO schemes were equipped for energy generation
	GHG emissions reduction	Methane emissions (GHG) reductions are estimated around 1. 37 million ton CO2e
	Budget	Besides national budget, other contributors were World Bank Ioan (50 million USD), and GEF (10,5 million USD) in order to support anaerobic digestion systems, photovoltaic and thermic solar systems
	Handbook of Best Practices for anaerobic digester systems	Handbook in use after publication



COAL MINES SUBCOMMITTEE





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PROJECT	LOCATION	CO2eq	REMARKS
Recovery and managing CMM.	Coal mining	4.18 Mmt	In process, at final stage of
Methane emissions reduction	region in	per year	implementation. Some issues
through gas capture in 3	northern		have raised due to certain criteria
mines.	Coahuila		of the ministry of Economy The
Once the project is completed, if completed, it is expected to produce 7 MW electricity			company assesses the possibility of recovering methane from mines ventilation





WATER TREATMENT

PLANTS





WTP	CAPACITY	REMARKS				
Metro Monterrey (PPP)						
Monterrey, NL (3 WTP)	7.5, 3.0 y 1.9 m³/s	2 WTP / electricity generation				
Water plants managed by private companies						
Saltillo, Coah. (Planta Principal)	1.2 m ³ /s	Anaerobic digestion				
Culiacán, Sin. (Norte)	1.7 m³/s	Anaerobic digestion				
New facility Hermosillo, Son.	2.5 m³/s	Anaerobic digestion				
Ciudad Juárez, Chih. (3WTP)	2.0, 1.6, y 0.5 m ³ /s	2 WTP / anaerobic digestion				
Chihuahua, Chih. (2 WTP)	2.5 y 1.2 m³/s	Anaerobic digestion				
Tampico, Tamps. (Tierra Negra)	1.2 m³/s	Anaerobic digestion.				
Querétaro, Qro. (San Pedro)	0.75 m³/s	Electricity generation				
Puebla, Pue. (5 WTP)	0.4, 0.08, 0.34, 1.1 y 0.7 m ³ /s	2 WTP / Anaerobic digestion				
New facility – León, Gto.	0.15 m³/s	Electricity generation				
ZMG, Jal. (Agua Prieta)	8.5 m³/s	Termination 12.2013, / electricity generation.				
ZMG, Jal. (El Ahogado)	2.25 m³/s	Electricity generation.				
ZMCM	23.0 m ³ /s	Termination 12.1013 / electricity generation.				



WASTE MANAGEMENT SUBCOMMITTEE





PROJECT	ACTIVITY	REMARKS
Monterrey I, II, Ciudad Juárez, Aguascalientes	Biogas control and management	4,7, 12.7, 6.4, 4,5 MW of electricity respectively
Cancun, Durango, Ecatepec, Mérida, Quetétaro, Zapopan	Biogas control facilities (CDM)	Flaring
Culiacan, Guadalajara, León, Puerto Vallarta, Queretaro, Saltillo, Tecamac, Tijuana, Temixco	Biogas control project in process (CDM registration)	Flaring / energy facilities in process
Cuautla, Ensenada, Nogales, Nuevo Laredo	Biogas feasibility studies concluded	Financed by EPA (Nuevo Laredo in bidding stage)
Handbook to landfill gas management for municipalities	Distributed, webpage	Financed by EPA
Bordo Poniente (Mexico City)	Biogas control and management (energy)	Largest landfill in Mexico, bidding process finished
CDM Programmatic Framework in Landfills	Concluded	Study prepared for BANCOMEXT / NAFIN
Bio-Cancun, Colima biodigestor (bio-reactor)	Feasibility study concluded, bidding process in preparation	In collaboration with Environment - Canada