

NS-68 - Emission Reduction Actions Program (NAMA) in Natural Gas Processing, Transport and Distribution System, through fugitive emission reduction

Mexico

NAMA Seeking Support for Implementation

A Overview

A.1 Party	Mexico
A.2 Title of Mitigation Action	Emission Reduction Actions Program (NAMA) in Natural Gas Processing, Transport and Distribution System, through fugitive emission reduction
A.3 Description of mitigation action	<p>The central goal of this NAMA is the creation of a framework program that allows project activities consisting of the reduction of methane emission by means of the minimization and/or elimination of fugitive and black carbon emissions in the components of the process, transport and distribution of the national natural gas system.</p>
A.4 Sector	<input checked="" type="checkbox"/> Energy supply <input type="checkbox"/> Residential and Commercial buildings <input type="checkbox"/> Agriculture <input type="checkbox"/> Waste management <input type="checkbox"/> Transport and its Infrastructure <input type="checkbox"/> Industry <input type="checkbox"/> Forestry <input type="checkbox"/> Other <input type="text"/>
A.5 Technology	<input type="checkbox"/> Bioenergy <input type="checkbox"/> Energy Efficiency <input type="checkbox"/> Hydropower <input type="checkbox"/> Wind energy <input type="checkbox"/> Carbon Capture and Storage <input type="checkbox"/> Land fill gas collection <input type="checkbox"/> Cleaner Fuels <input type="checkbox"/> Geothermal energy <input type="checkbox"/> Solar energy <input type="checkbox"/> Ocean energy <input type="checkbox"/> Low till / No till <input checked="" type="checkbox"/> Other Fugitive emissions and b
A.6 Type of action	<input type="checkbox"/> National/ Sectoral goal <input type="checkbox"/> Strategy <input checked="" type="checkbox"/> National/Sectoral policy or program <input type="checkbox"/> Project: Investment in machinery <input type="checkbox"/> Project: Investment in infrastructure <input type="checkbox"/> Project: Other <input type="checkbox"/> Other <input type="text"/>
A.7 Greenhouse gases covered by the action	<input checked="" type="checkbox"/> CO2 <input type="checkbox"/> N2O <input type="checkbox"/> PFCs <input checked="" type="checkbox"/> CH4 <input type="checkbox"/> HFCs <input type="checkbox"/> SF6 <input type="checkbox"/> Other <input type="text"/>

B National Implementing Entity

B.1.0	Name	Petróleos Mexicanos
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B.1.6	Address	
B.1.7	Phone	
B.1.8	Email	
B.1.9	Contact Person 3	
B.1.10	Address	
B.1.11	Phone	
B.1.12	Email	
B.1.13	Comments	

C Expected timeframe for the implementation of the mitigation action

C.1	Number of years for completion	20
C.2	Expected start year of implementation	2014

D Currency

D.1	Used Currency	<input type="text" value="AED"/> Conversion to USD: 1
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E Cost

E.1.1	Estimated full cost of implementation	47800000
E.1.2	Comments on full cost of implementation	The pilot program estimates a cost of 4.8 million USD (based on a former project "Wet by dry seals substitution" in Nuevo Pemex and Poza Rica Regions). For the total program an estimated amount of 47.8 million USD (35 million Euros) in support would be required.
E.2.1	Estimated incremental cost of implementation	4831000
E.2.2	Comments on estimated incremental cost of implementation	Based on the costs of each and every pilot project that could be added to the NAMA.

F Support required for the implementation the mitigation action

F.1.1	Amount of Financial support	47800000
F.1.2	Type of required Financial support	<input checked="" type="checkbox"/> Grant <input type="checkbox"/> Guarantee <input checked="" type="checkbox"/> Loan (sovereign) <input type="checkbox"/> Equity <input checked="" type="checkbox"/> Loan (Private) <input checked="" type="checkbox"/> Carbon finance <input checked="" type="checkbox"/> Concessional loan <input type="checkbox"/> Other <input style="width: 100px;" type="text"/>
F.1.3	Comments on Financial support	
F.2.1	Amount of Technological support	
F.2.2	Comments on Technological support	Amount to be determined.
F.3.1	Amount of capacity building support	
F.3.2	Type of required capacity building support	<input type="checkbox"/> Individual level <input checked="" type="checkbox"/> Institutional level <input type="checkbox"/> Systemic level <input type="checkbox"/> Other <input style="width: 100px;" type="text"/>
F.3.3	Comments on Capacity Building support	Amount to be determined
F.4	Financial support for implementation required	<input type="checkbox"/>

- F.5 Technological support for implementation
required
- F.6 Capacity Building support for implementation
required

G Estimated emission reductions

- G.1 Amount 2.863
- G.2 Unit
- G.3 Additional information (e.g. if available, information on the methodological approach followed)
- The methodology used for determining the CO₂ equivalent emissions reduction related to this NAMA reasonably minimizes the calculated uncertainty and generates accurate, coherent and reproducible results, following what is established by the standard NMX-SAA-14064-1-IMNC-2007.
- In order to guarantee that the emissions reduction calculation be performed in the most successful and conservative way, the methodology AM0023 (“Leak detection and repair in gas production, processing, transmission, storage and distribution systems and in refinery facilities”) has been used as reference, which has been approved by the United Nations Framework Convention on Climate Change (UNFCCC) for the validation of projects under the Clean Development Mechanism (CDM).
- The development of this methodology includes the additionality assessment, namely, to conclude if a certain Project Activity truly requires an incentive in order to be implemented and in consequence, obtain the emissions reduction calculated by the Project Proponent.

H Other indicators

- H.1

I Other relevant information

- I.1 Other relevant information including co-benefits for local sustainable development
- Environmental benefits:
1. GHG emission reductions
 2. Black carbon emission reductions through the installation of pilot flame lighter electronic devices at the natural gas burners
- Economic benefits:
1. Natural Gas production process improvements and economic savings from the methane emission reductions
 2. Additional investment in Natural Gas infrastructure through monitoring and quantifying fugitive emissions
- Social benefits:
1. Improve population health from GHG emission reductions
 2. Improved operations and risk management in Natural Gas infrastructure along the national system

J Relevant National Policies strategies, plans and programmes and/or other mitigation action

- J.1
- J.2

K Attachments

K Attachments

Title	Description
NAMA PEMEX Fugitive Emissions.pdf	

K.1 Attachment description

K.2 File

L Support received

L.1 Outside the Registry

65,000 USD from the UK embassy in Mexico for the design of the NAMA executive document. March, 2013

L.2 Within the Registry

Support provided	SupportType	Amount	Comment	Date
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