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Canada's Support for Methane initiatives

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Canada's Involvement in the GMI

- Since joining the Partnership, Canada's participation has been driven by:
 - multilateral initiatives with a strong engagement from public and private sector partners
 - delivering support to ensure its actions can lead to real results for developing countries and for the global environment.
- Canada has supported a number of methane recovery and use projects that promoted clean technologies while addressing climate change and energy security.
 - Landfill and waste management sector
 - Oil and gas sector



Example of projects

Bio-Cancun Project

- Objectives:
 - Implementation of a bio-digester in Cancun for the treatment of the organic fraction of municipal solid waste and to generate power from the biogas produced.
- Scope:
 - 2 Municipalities: Benito Juarez and Isla Mujeres
- Current Status:
 - Canada provided technical design specifications, comprehensive environmental impact assessment and detailed financial analysis.
 - Launch of the bidding process this spring in Cancun



Canada's Fast Start Financing

- Canada's largest ever contribution to support international efforts to address climate change:
 - **\$1.2 billion in new and additional financing** over 3 fiscal years
- Canada focuses on identifying activities that are consistent with our vision for an effective long-term climate regime:
 - Implementation of transparent mitigation action
 - Country-led adaptation
 - Mobilize private sector climate-related investment
- Three priorities have been identified:
 - (i) adaptation by poorest and most vulnerable
 - (ii) clean energy
 - (iii) forests and agriculture

Highlights

Key initiatives:

- \$250 million to the Inter-American Development Bank to establish a Canadian Climate Change Fund designed to mobilize private investments in Latin America and the Caribbean
- \$285.7 million to the International Finance Corporation as concessional funding for clean energy projects in developing countries.
- \$200 million to the Clean Technology Fund, a component of the Climate Investment Funds to support clean technology deployment in developing countries
- \$76 million to the Asian Development Bank to establish a Canadian Climate Fund for the private sector in Asia.
- \$13.8 million for mitigation actions including \$3 million to support the new Climate and Clean Air Coalition to Reduce Short-Lived Climate Pollutants

Canada's support for sectoral NAMAs

Building on its past experience with international technology partnerships such as:

- Asia Pacific Partnership (APP)
- Global Methane Initiative (GMI)
- Renewable Energy and Energy Efficiency Partnership (REEEP)

Canada is supporting the development and implementation of NAMA in:

- Waste and landfill gas
- Oil and gas
- Low Carbon Housing

Waste Management

Approach:

- Canada is providing financial support (\$2.55M) to help partner countries identify opportunities for mitigating emissions in the waste management sector that create enabling conditions for transformational action that support national priorities.

Country Partners:

- Chile
- Colombia
- Mexico
- Dominican Republic

Delivery Channel:

- Center for Clean Air Policy



To date

Colombia and Chile:

- Development of an integrated approach for waste management
- Series of measures for the whole waste stream including
 - diversion of organics from landfills,
 - Increased separation of waste through sorting, composting, and recycling
 - increased methane capture and biogas utilization from landfills and wastewater treatment facilities.

Dominican Republic

- Development of an integrated approach for waste management for the tourism industry with a pilot project here in Punta Cana that will eventually lead to the development of a national Strategy

Mexico

- Development of a national strategy for Bio-digestion projects
- Capacity building / education program for Mexican experts

Oil and Gas

Approach:

- Canada is providing financial support (\$3.0M) to facilitate strategic, inclusive and country-specific capacity building dialogue that will enable accurate, credible and verifiable quantification of energy efficiency and emissions reduction opportunities across the upstream, midstream and downstream oil and gas sector.

Country Partners:

- Mexico
- Colombia

Delivery Channel:

Petroleum Technology of Alliance Canada (PTAC)

To date

Colombia

- Working with ECOPETROL on evaluation of opportunities to reduce venting and black carbon flare soot and increase energy efficiency at the several facilities (Castilla, Barrancabermeja and Yopal)

Mexico

- Working with PEMEX on evaluation of flaring & black carbon soot reduction and steam system efficiency opportunities at various facilities (La Cangrejera, Minatitlan, Poza Rica and Mecatepec).

Climate and Clean Air Coalition (CCAC)

Canada:

- is a founding member of the Climate and Clean Air Coalition, along with Mexico, the US, Ghana, Sweden and Bangladesh.
- was the first country to contribute to the Trust Fund - \$3M
- sits on the CCAC Steering Committee
- co-leads
 - the Municipal Solid Waste Sector
 - diesel vehicle and engine initiatives,
 - the development of the first activities under the finance mitigation initiative
- coordinates the development of a new agriculture initiative.
- is actively involved in the HFCs and oil and gas initiatives.



CCAC – MSW Initiative

Co-leads:

- Canada - US

Approach:

- Canada's support for CCAC helped kick start the establishment of baseline data in 8 cities in Latin America, Africa, and South East Asia.
- These city assessments will identify concrete and on-the-ground action that can effectively reduce short-lived climate pollutant (SLCP) emissions from the MSW sector.

CCAC – Agriculture Initiative

Initiative still under development

Co-leads:

- Canada is working with CCAC Partners to develop this new initiative. Co-leads to be confirmed by June 2013.

Approach:

- Address SLCPs (including methane) in the agricultural sector.
- Complement the work of the Global Research Alliance and GMI.
- No funds allocated yet

Thanks
