

Clean Development Mechanism

Sustainable Development co-Benefits Description Report¹

CDM programme of activities(PoA) information	
Title	CUIDEMOS Mexico (Campana De Uso Inteligente De Energia Mexico) - Smart Use of Energy Mexico
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Host Party	Mexico

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Overview of sustainable development co-Benefits

A. The extent of environmental co-Benefits:

		N/A	Partly	Slightly	Highly
Air	Reducing Sox	•			
	Reducing Nox	•			
	Reducing Fly ash	•			
	Reducing suspended particulate matter (SPM)	•			
	Reducing Non Methane Volatile Organic Compounds (NMVOCs)	•			
	Reducing Noise Pollution	•			
	Reducing Odors	•			
	Reducing Dust	•			
	Other air quality improvements	•			
Land	Preventing end of life products/equipment (solid waste)	•			
	Producing/using compost	•			
	Producing/using manure, mineral fertilizer or other soil nutrients	•			
	Irrigation	•			
	Preventing soil erosion	•			
	Minimum tillage	•			
	Other means to improve land quality	•			
Water	Improving management/control of wastewater	•			
	Saving/conserving of water	•			
	Improving reliability/accessibility of water supply	•			
	Purification/cleaner water supply	•			
	Improving ecological state of water bodies	•			
	Other means to improve water	•			
Natural Resources	Protecting mineral resources	•			
	Protecting/enhancing plant life	•			
	Protecting/enhancing species diversity	•			
	Protecting/enhancing forests	•			
	Protecting/enhancing other depletable natural resources	•			

B. The extent of social co-Benefits:

		N/A	Partly	Slightly	Highly
Jobs	New long-term jobs	•			
	New short-term jobs				•
	New sources of income generation			•	
	Other employment opportunities	•			
Health & Safety	Disease prevention	•			
	Reducing accidents	•			
	Reducing crime	•			
	Preserving food	•			
	Reducing health damaging indoor air pollution	•			
	Enhancing health services	•			
	Improving sanitation and waste management	•			
	Other health and safety improvement	•			

Education	Job-related training	•			
	Enhanced educational services	•			
	Project-related knowledge dissemination			•	
	Other educational benefits			•	
Welfare	Improving working conditions	•			
	Community or rural advancement	•			
	Poverty alleviation (more people above poverty level)			•	
	Improving wealth distribution/generation of income and assets	•			
	Increased municipal revenues	•			
	Optimized women's empowerment	•			
	Reduced traffic congestion	•			
	Other welfare benefits	•			

C. The extent of economic co-Benefits:

		N/A	Partly	Slightly	Highly
Growth	New investments	•			
	New industrial/commercial activities	•			
	New infrastructure	•			
	Enhancement of productivity	•			
	Reduction of production costs (services)		•		
	New business opportunities	•			
	Other economic benefits			•	
Energy	Improvement in supply of energy			•	
	Access to energy	•			
	Affordability and/or reliability of energy			•	
	Other energy improvements	•			
Technology	Introducing/developing/diffusing imported technology				•
	Introducing/developing/diffusing local technology	•			
	Adaptation of new technologies to local circumstances	•			
	Know-how activities for a technology	•			
	Other technological benefits	•			
Balance of payments	Reduction of foreign dependency	•			
	Other macro-economic benefits	•			

D. Further information:

	N/A	Partly	Slightly	Highly
				•

Detailed description

B. Social co-Benefits

No co-benefits related to health and safety are described.

	Indicator	Specification	Extent
Jobs	The CDM PoA creates new job opportunities including income generation as follows:		
	New short term jobs	<i>The Luz Sustentable Program to distribute 22.9 million energy efficient lights to 5.7 million households ran for 16 months. A management team of 15 was contracted to deliver the project. In addition to distribution through three major retail chains, teams of people were employed in mobile units to distribute lightbulbs direct to households. Each unit had a driver and up to 20 operators. At its peak, up to 50 mobile units were in operation. A total of over 4,500 people were involved in the distribution through the 1,600 retail stores and the mobile units.</i>	Highly
	Income generation	<i>A significant budget was allocated to the marketing promotion of the Program. This work was allocated to local companies.</i>	Slightly
Education	The CDM PoA facilitates education, dissemination of information, research or increases awareness as follows:		
	Project related knowledge dissemination		Slightly
	Other educational benefits	<i>The Program provided information about climate change and the benefits of energy efficient lights.</i>	Slightly
Welfare	The CDM PoA improves local living and working conditions as follows:		
	Poverty alleviation	<i>Many of the households that received 4 free energy efficient lights were low income families that benefited greatly from the zero cost to change from their existing high energy using lights and then the reduced energy bills over time.</i>	Slightly

C. Economic co-Benefits

No co-benefits related to balance of payments are described.

	Indicator	Specification	Extent
Growth	The CDM PoA supports economic development and/or stability as follows:		
	Reduction of production costs (services)		Partly
	Other economic benefits	<i>The energy efficient lightbulbs reduced household energy costs thereby allowing householders to spend money on other items. As energy use by low income households is subsidised by the Mexican Government, the reduction in energy use reduced the amount of Government funds needed to support these households thereby freeing funds for use in other Government programs.</i>	Slightly

Energy	The CDM PoA supports economic development and/or stability as follows:		
	Supply of energy	<i>More energy efficient lighting usage resulted in reduced peak energy demand which decreased the pressure on the existing energy production and distribution network, thereby reducing blackouts.</i>	Slightly
	Affordability and/or reliability of energy	<i>The Program reduced the amount of energy required to operate household lighting, thereby making the cost to operate those lights more affordable and placing less demand on the energy distribution system during peak evening demand. At the time of the project approval, households used 25% of all electricity generated in Mexico, with lighting comprising 40% of this consumption.</i>	Slightly
Technology transfer	The CDM PoA results in a change in technology as follows:		
	New imported technology	<i>The penetration of compact fluorescent lights (CFLs) throughout Mexico was still low at the time of the commencement of the project due to the high upfront costs of CFLs for low income households compared to the old incandescent lights. Providing the lights to householders free of charge provided a significant increase in the penetration of CFLs and later allowed the Government to ban future sales of the most heavily used types of incandescent lights, thereby completing the technology transfer.</i>	Highly

D. Further information

Specification	Extent
The distribution of the 22.9 million energy efficient lights to 5.4 million households across Mexico was a significant first step in the Mexican Governments plan to subsequently ban most types of old high energy using lights. This ban ensures sustainable benefits from the Luz Sustentable Program.	Highly