



# Clean Development Mechanism

## Sustainable Development Co-benefits Description Report<sup>1</sup>

CDM project activity information	
Title	Zone 3 Landfill Gas Project
Project activity reference no.	9303
Type	Project Activity
Sectoral Scope	Waste handling and disposal (13)
Host Party	Guatemala

Report information	
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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

### A. Environmental co-benefits

No co-benefits related to land, water, natural resources are described.

	Indicator	Specification	Extent
Air	The CDM project activity improves air quality by reducing air pollutants as follows:		
	Odors		Partly

### B. Social co-benefits

All available social co-benefits are described.

	Indicator	Specification	Extent
Jobs	The CDM project activity creates new job opportunities including income generation as follows:		
	New long term jobs	<i>About 10 persons</i> <div> <div></div> <div>New long-term jobs &gt; 1 year - 10</div> </div>	Slightly
	New short term jobs	<i>30 persons</i> <div> <div></div> <div>New short-term jobs &lt; 1 year - 30</div> </div>	Slightly
Health & safety	The CDM results in health and safety improvements as follows:		
	Reduction of diseases, disease prevention		Slightly
	Reduction of accidents		Highly
	Reducing health damaging indoor air pollution		Partly
	Enhancement of health services		Partly
	Improved sanitation and waste management		Slightly
Education	The CDM project activity facilitates education, dissemination of information, research or increases awareness as follows:		
	Job related training		Slightly
	Enhanced educational services		Partly
	Project related knowledge dissemination		Highly
Welfare	The CDM project activity improves local living and working conditions as follows:		
	Improvement of working conditions		Slightly
	Increased municipal revenues		Slightly

### C. Economic co-benefits

All available economic co-benefits are described.

	Indicator	Specification	Extent
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<b>Growth</b>	The CDM project activity supports economic development and/or stability as follows:	
	New investments	Partly
	New industrial/comercial activities	Partly
	New infrastructure	Slightly
<b>Energy</b>	The CDM project activity supports economic development and/or stability as follows:	
	Supply of energy	Partly
	Affordability and/or reliability of energy	Slightly
<b>Technology transfer</b>	The CDM project activity results in a change in technology as follows:	
	New imported technology	Highly
	Adaptation of new viable technologies	Highly
	Know-how activities for a technology	Slightly
<b>Balance of payments</b>	The CDM project activity results in improving the country's balance of payments as follows:	
	Reduction of the dependency on foreign sources of energy	Partly
	Other macroeconomic benefits	Slightly