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Mexico Greenhouse Gas Accounting and Reporting Voluntary Program

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1. Background

- On August 25th 2004, a two-year partnership was established between SEMARANT – WRI – WBCSD to design and implement a Voluntary Pilot Program for GHG Accounting and Reporting in Mexico.
- On October 2nd 2006, the partnership was renewed and extended, including CESPEDES, to establish a permanent Voluntary Program for Corporate and Project Accounting and Reporting in Mexico.

2. Objectives

- Capacity building in Mexican companies to:
 - Develop corporate GHG emissions inventories
 - Develop mitigation projects
- For the identification of opportunities to:
 - Increase their operative efficiency
 - Conduct effective strategies
 - Participate in international carbon markets – as CDM projects or in voluntary markets

3. Benefits

- Effective management of regulatory, technical and economic scenarios associated with GHG emissions;
- Identification of GHG mitigation projects;
- GHG public reporting and participation in voluntary programs;
- Capacity building for participating in mandatory reporting programs;
- Access to carbon markets; and
- Recognition of early action for voluntary emissions reductions.

4. Structure

- Phase I – GHG Corporate Inventories
 - Based on *The GHG Protocol: A Corporate Accounting and Reporting Standard* (WRI/WBCSD)
 - Training and Capacity-Building for the development of GHG Corporate Inventories
 - Public GHG Inventory Reports

4. Structure

- Phase II – GHG Project Reduction Accounting
 - Based on the *GHG Protocol for Project Accounting* (WRI/WBCSD)
 - Training and Capacity-Building for the quantification of GHG emissions reductions in reduction projects

Cement

- CEMEX México
- Cooperativa La Cruz Azul
- Cementos Moctezuma
- Grupo Cementos de Chihuahua
- Holcim Apasco
- LaFarge

Iron and Steel

- Altos Hornos
- DeAcero
- Grupo IMSA
- Mittal Steel
- SICARTSA
- Siderúrgica Tultitlan
- ▲ Hierro Recuperado
- ▲ Instituto de Fundición y Maquinado de Jalisco

Automotive

- Ford de México
- ▲ Honda de México

Glass

- VITRO

Construction

- Urbi Desarrollos Urbanos

Beer and Brewing

- Grupo Modelo
- Cervecería Cuauhtémoc Moctezuma

Mining

- Industria Minera México
- Industria Peñoles
- Minera Autlán

Waste Handling

- Cappy & Associates
- SIMEPRODE

Chemical

- Colgate – Palmolive
- AMANCO México
- Nhumo
- ▲ ANAJALSA Agroquímicos
- ▲ Boehringer Ingelheim

Oil and gas

- PEMEX

Packing

- Tetrapak

Food

- Grupo Bimbo
- ▲ Cámara Alimenticia de Jalisco

Machinery

- Caterpillar México
- S&C Electric Mexicana
- Johnson Controls
- ▲ Hitachi Global Storage Technologies México
- ▲ Cerraduras TESA

Swine Farms

- Grupo Porcícola Mexicano

Public Transport

- Red de Transporte Público del Distrito Federal

Forestry

- Forestaciones Operativas

Services

- Sumitomo Corporation de México
- Industrias John Deere

Univerisity

- ▲ ITESM Campus Guadalajara

Refrigerants

- Ecofreeze natural refrigerants

Company	2004 Total Emissions [tonne CO ₂ eq]	2005 Total Emissions [tonne CO ₂ eq]
Group I - Mexico City		
Altos Hornos de México, S.A. de C.V.	6,799,169	7,666,754
AMANCO México, S.A. de C.V.		9,863
Cooperativa La Cruz Azul	3,462,000	3,514,000
LaFarge Cemento, S.A. de C.V.		108,000
CEMEX	14,393,621	14,646,709
Cementos Portland Moctezuma	2,028,157	2,406,567
Grupo Modelo, S.A. de C.V.	757,400	665,591
Ford Motor Company	95,766	115,452
Grupo Bimbo		231,890
Grupo Cementos Chihuahua	1,062,000	1,308,000
Grupo Porcícola	228,148	228,414
Holcim-Apasco	4,775,605	5,182,221
Industria Peñoles, S.A. de C.V.		1,812,439
Mittal Steel Lázaro Cárdenas, S.A. de C.V.	4,240,294	3,577,633
NHUMO	252,116	207,695
Petróleos Mexicanos (PEMEX)	42,534,252	42,678,514
Siderúrgica Lázaro Cárdenas Las Truchas / Villacero	3,941,000	3,174,070
Siderúrgica Tultitlán, S.A. de C.V.	67,411	68,726
Sumitomo Corporativo	124	135
Tetrapak		11,096
Group II - Monterrey ^a		
Caterpillar México		61,252
Minera Autlán		756,595
SIMEPRODE		597,135
Cervecería Cuauhtemoc Moctezuma		164,495
Industrias John Deere, S.A. de C.V.		19,910
Group III - Guadalajara ^a		
Hitachi Global Storage Technologies México, S.A. de C.V.		35,477
Honda de México, S.A. de C.V.		17,208
Cerraduras TESA		2,422
Tecnológico de Monterrey Campus Guadalajara		3,531
Boehringer Ingelheim Vetmedica		3,230
TOTAL	84,637,062	89,275,024

^a Training for the development of GHG corporate inventories in Groups II and III was accomplished in 2006

6. Next steps

- Consolidate the Quality of the Corporate GHG Inventories
- Incorporate utilities in the program
 - 1/3 of the National GHG emissions
- Plan an On-line Electronic Registry for GHG emissions / reductions – Pilot Project
- Develop GHG reduction projects
 - Based on production and energy efficiency improvements