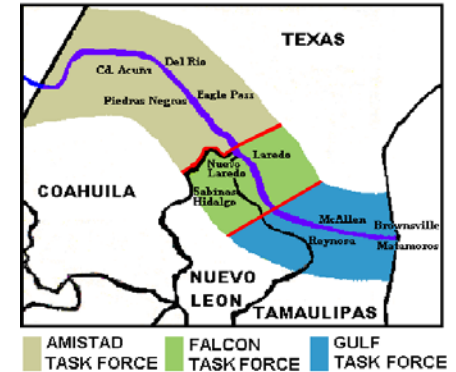


# BORDER 2020 2013-2014 Action Plan for the TX-COAH-TAMP-NL Regional Workgroup

August 27, 2013



The **Four-State Regional Workgroup** is the most complex of the four regional workgroups, because of its geographical expanse and the number of municipalities. The region includes parts of three states and a total of at least 29 municipios on the Mexican side, and 168 cities and towns on the U.S. side. Recognizing this, the workgroup divided itself into three geographically based Task Forces—Amistad, Falcon, and Gulf, each of which has established subject-specific committees related to its priority concerns.

During the first half of 2012, the various committees have held meetings to discuss initial priorities for the Border 2020 program, and a regional meeting of leaders was held in June to develop a consensus of priorities at the task force and regional workgroup levels.

## Regional Priorities

1. Improve air quality through the following approaches:
  - a. Analyze emissions and emission sources in specific airsheds
  - b. Engage in both road-paving and reforestation (using native species)
  - c. Establish or improve vehicle inspection programs in those cities where the respective federal governments require them
  - d. Increase energy efficiency at the consumption level and the use of renewable energy at all appropriate levels
2. Improve water quality by taking the following actions:
  - a. Evaluate the portion of the Rio Grande watershed that is in the region
  - b. Reduce contamination by providing wastewater treatment to unserved communities in the watershed
  - c. Improving the existing treatment facilities by applying the most effective technologies and providing training to operators
  - d. Develop more applications for the re-use of water
  - e. Reduce non-native species in the water bodies
  - f. Continue and expand environmental education efforts such as “Adopt the River” and “Day of the River”

3. Address problems of improper waste disposal:
  - a. Develop comprehensive plans for solid waste management, including special wastes (such as sludge from wastewater treatment plants, scrap tires, and used electronic products) and hazardous wastes (residues from pesticides, extraction of fossil fuels, and medical facilities), looking for economic/productive uses of wastes whenever possible
  - b. Expand environmental education related to waste issues
  - c. Close and remediate open dumps wherever required by regulation
4. Assure that each project includes a component of environmental education (such as teacher training or building an environmental library), at least one indicator related to public health, and inspection and surveillance

### **Individual Task Force Priorities**

#### ***Amistad Task Force***

1. Reduction of energy consumption in buildings and street lighting
2. Increased use of alternate and renewable energy sources (such as landfill gas and solar energy)
3. Construction of sanitary landfills
4. Attention to waste disposal in gas drilling operations
5. Continuing attention to emergency response
6. Harmonization of protocols related to coal mining and remediation and to petroleum materials
7. Improvement of vehicle inspection programs in Coahuila
8. Joint programs in communication and environmental education, and development of an environmental educators group

#### ***Falcon Task Force***

1. Re-use of treated water
2. Monitoring of drilling operations in the Eagle Ford Shale
3. Finalizing the cross-border contingency plan

#### ***Gulf Task Force***

1. Improvement of water-related infrastructure, and increased attention to water conservation and re-use
2. Increased recycling
3. Continuing capacity-building at the local, state, and federal levels of government
4. Technical exchanges, including best practices and lessons learned

# Border 2020

## 2013-2014 Action Plan Grid for the Four-State Regional Workgroup

**Legend:**

- Activity covers at least two task force areas
- Gulf Task Force
- Falcon Task Force
- Amistad Task Force



### GOAL # 1: Reduce Air Pollution

Project #	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact	2013-2014 Target	Progress Towards Target
<b>Objective 1: By 2020, reduce the number of vehicles operating in the border region that do not comply with the respective vehicle emissions standards, and reduce vehicle emissions at ports-of-entry through anti-idling and other feasible measures</b>							
1.1.01	Continue to develop Coahuila's vehicle inspection program, partly in consultation with Texas regarding the latter's experience.	SEMA (Coahuila), COMIMSA, Municipio de Piedras Negras, Municipio de Acuña, TCEQ	\$700,000	SEMA Coahuila	Miguel Ángel Leal Reyes (SEMA) <a href="mailto:miguel.reyes@sema.gob.mx">miguel.reyes@sema.gob.mx</a>	Inspect 40% of the vehicles in Acuña, Piedras Negras, Monclova, Saltillo, and Ramos Arizpe .	Coahuila initiated vehicle inspections in border cities in June 2012. SEMA signed a Memorandum of Agreement with the TCEQ in May 2013; specific forms of collaboration are being negotiated.

Objective 5: By 2020, reduce emissions and associated impacts, through energy efficiency and/or alternative/renewable energy projects							
1.5.01	Implement a competitive grants program aimed at local governments, dedicated to improvements in energy efficiency.	University of Texas at Austin, LBJ School	\$175,000	EPA and TCEQ	David Eaton (LBJ School), <a href="mailto:eaton@mail.utexas.edu">eaton@mail.utexas.edu</a>	Complete all projects by August 2013	UT issued RFP in October 2012. An independent committee reviewed applications and recommended six projects that were then funded by UT—two cities, an irrigation district, and three school districts—in early 2013. As of end of July, all six projects had been completed.
1.5.02	Initiate Phase 2 of the State Climate Action Plan for Coahuila (PEAC): Quantification of the mitigation policies selected in Phase 1.	Coahuila State Government and BECC	\$275,000	BECC	Tomás Balarezo, BECC	Econometric evaluation of mitigation policies selected in Phase 1.	In process.
1.5.03	Initiate Phase 2 of the State Climate Action Plan for Tamaulipas (PEAC): Quantification of the mitigation public policies selected in Phase 1.	Tamaulipas State Government and BECC	\$100,000	BECC	Tomás Balarezo, BECC	Selection of a number of prioritized mitigation public policies for climate change.	Five technical groups began work in July 2012, and the project is in process with support from the BECC.
1.5.04	Research the potential for harnessing wind power for electricity in Tamaulipas.	SEMARNAT and SEDUMA		SEMARNAT will seek funds	<a href="mailto:Delfino.ramirez@semarnat.tamaulipas.gob.mx">Delfino.ramirez@semarnat.tamaulipas.gob.mx</a>	Conduct research and explore business opportunities	A forum was held in October 2012. No information available since then.
1.5.05	Research the potential for harnessing wind power for electricity generation in Nuevo León.	Secretaría de Desarrollo Sustentable de Nuevo León	\$10,000	Mexican federal funds/CONACYT	Norma Rangel (SDS, Nuevo León), <a href="mailto:normaarangel@gmail.com">normaarangel@gmail.com</a>	Establish wind monitors in selected areas of the state by the end of 2013, and begin generating wind maps in 2014.	SDS continues to search for funding.
1.5.06	Construct and operate a facility that extracts methane gas from the Nuevo Laredo landfill and burns it to generate electricity for the municipality.	Municipio de Nuevo Laredo and Setasa (Servicios de Tecnología Ambiental S.A.)	\$3.5 million	Private sector; a company will be selected and then will build and operate	Sergio Martínez López <a href="mailto:sergiomartinezlopez@hotmail.com">sergiomartinezlopez@hotmail.com</a>	Have the facility in full operation by the end of 2014.	A feasibility study was completed 2008 with funding from USAID. Issuance of a tender for construction is pending (the municipio needs to

				the plant, selling the electricity to CFE and giving a portion of revenues from carbon credits to the municipio.			obtain the property title).
1.5.07	Implement a pilot program to diagnose the existing Mexican fleet of heavy-duty commercial trucks in cross-border trade in the Laredo -Nuevo Laredo area, identify retrofit technologies that would reduce emissions, and share information on those technologies, their costs, and suppliers at a binational forum.	SEMARNAT and the Municipio of Nuevo Laredo	\$50,000	EPA border grant through the BECC	Ing. Eduardo Olivares (SEMARNAT-Clean Transportation Program), <a href="mailto:eduardo.olivares@semarnat.gob.mx">eduardo.olivares@semarnat.gob.mx</a> , and Osvaldo Valencia (Municipio de Nuevo Laredo—Ecology Program), <a href="mailto:valencia_osvaldo@hotmail.com">valencia_osvaldo@hotmail.com</a>	Complete the project by the end of 2014.	In process.
1.5.08	Establish an air quality monitoring network in the areas of Piedras Negras-Nava, Acuña, Sabinas, and Saltillo, Coahuila.	SEMA (Coahuila), Municipio de Piedras Negras, Acuña, Nava, Sabinas, Saltillo	1,400,000	SEMA Coahuila	Miguel Ángel Leal Reyes (SEMA Coahuila) <a href="mailto:miguel.reyes@sema.ob.mx">miguel.reyes@sema.ob.mx</a>	Have air quality monitoring network in operation for Piedras Negras-Nava Region, Acuña, Sabinas Region and Saltillo Region, Coahuila	SEMA has begun working with local officials to include these projects in the plans of the applicable “Metropolitan Zones”.
1.5.09	Apply retrofit technologies to public buildings in Piedras Negras and Acuña, Coahuila that will reduce energy consumption.	SEMA (Coahuila), Municipio de Piedras Negras y Municipio de Acuña	\$500,000	SEMA Coahuila	Olga Rumayor (SEMA Coahuila) <a href="mailto:olga.rumayor@sema.gob.mx">olga.rumayor@sema.gob.mx</a>	Involve municipal agencies through a series of workshops and select at least 10 buildings to pilot retrofit technologies.	The project is still in the planning phase, and will be proposed to the BECC to obtain support.
1.5.10	Design and implement vehicle emission verification programs or campaigns in Tamaulipas.	SEDUMA	To be defined	SEDUMA/ SEMARNAT	Ing. Humberto Rene Salinas <a href="mailto:seduma@tamaulipas">seduma@tamaulipas</a>	Have vehicle verification program in the border area of the state by end of 2014	Pilot program focused on the state-owned fleet was initiated in early 2013.

1.5.11	Promote and encourage the use and exploitation of renewable energy sources and alternative energy potential in Tamaulipas.	SEDUMA	To be defined	SEDUMA/ SEMARNAT	Ing. Humberto Rene Salinas seduma@tamaulipas.gob.mx	Prepare action plan for nine wind power projects and state's strategic energy program	Baseline information is being collected.
1.5.12	Strengthen Tamaulipas' atmospheric monitoring system.	SEDUMA	Por definirse	SEDUMA/ EPA/COCEF	Ing. Humberto Rene Salinas <a href="mailto:seduma@tamaulipas.gob.mx">seduma@tamaulipas.gob.mx</a>	By 2014, the system will operate at 100% with programmatic consistency standards	Federal resources will be requested.
1.5.13	Implementation of a environmental management system as a strategy for energy efficiency in Tamaulipas.	SEDUMA/Municipios	\$ 100,000	SEDUMA/ EPA/COCEF	Ing. Humberto Rene Salinas <a href="mailto:seduma@tamaulipas.gob.mx">seduma@tamaulipas.gob.mx</a>	By 2014, train 100% of the border municipalities	No information available.

## Goal # 2: Improve Access to Clean and Safe Water

Project #	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact	2013-2014 Target	Progress Towards Target
<b>General</b>							
2.0.01	Build and begin operation of a desalination plant in Nuevo León, using renewable energy as the energy source for the plant.	Servicios de Agua y Drenaje de Monterrey (SADM, Nuevo León's water utility)		SADM, BECC, and National Water Commission	Norma Rangel (SDS, Nuevo León), <a href="mailto:normaarangel@gmail.com">normaarangel@gmail.com</a> y Carlos Avila, <a href="mailto:carlos.avila@sadm.gob.mx">carlos.avila@sadm.gob.mx</a>	Have the plant in operation by the end of 2014.	Awaiting information.
2.0.02	Organize a "Water Awareness Summit" to educate the public in the Lower Rio Grande Valley about where their water comes from, how the planning process works, what the outlook is, and the importance of conservation.	State Representative Eddie Lucio III, TCEQ, cities and their water utilities, the Rio Grande Regional Water Authority, and the Lower Rio Grande Valley Development Council	\$10,000-15,000	Local funding efforts/sponsors	Claudia Lozano (TCEQ) <a href="mailto:claudia.lozano@tceq.texas.gov">claudia.lozano@tceq.texas.gov</a>	Hold the conference in early 2013	The summit was held on February 1, 2013. More than 200 people attended. The audience was very interested and appreciative and requested a follow-up conference in 2014, which is now being planned.

**Objective 2: Help drinking water and wastewater service providers in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.**

2.2.01	Provide teacher training workshop(s) and/or on-site facilitators to implement educational water quality monitoring events in conjunction with 2012/13 World Water Monitoring Challenge.	Texas Partnership for Water Education (TPWE): EPA, WEAT, TAWWA Scout Troops, ISDs, informal environmental education (EE) providers	Funding needed varies with # of participants : Testing Kits \$25/ 30 individuals/ site.	Various funding possibilities will be explored	Karen Bick, EPA, Region 6 (214) 665-7539 <a href="mailto:bick.karen@epa.gov">bick.karen@epa.gov</a>	Teachers &/or students, as well as interested community members will have identified monitoring site. Sampling results are submitted to TPWE's WWMC Program Coordinator.	Awaiting information
2.2.02	Promote energy management practices among Texas water and wastewater utilities by conducting quarterly meetings on energy management planning, training on a pumping-system assessment tool, and on-site energy efficiency assessments (key cities include Laredo, Roma, Mission, Agua Specialty Utility District, Edinburg, McAllen, Pharr, Weslaco, Mercedes, Harlingen, and Brownsville).	Partner with a university to conduct meetings, trainings and on-site energy assessment involving engineering students. 2012 partners are the Texas Manufacturing Assistance Centers at the University of Texas at Arlington and the University of Texas Pan American.	Funding sought: \$75,000/yr or \$150,000	Various funding possibilities will be explored	David Reazin, EPA Region 6 (214) 665-7501	Hold quarterly meetings to develop energy management plan and benchmark energy use and costs, 1 PSAT training, and 2 on-site assessments.	Awaiting information
2.2.03	Organize a workshop in Laredo for water utilities and the restaurant industry to discuss best practices related to abatement of discharges of fats, oils, and grease (will also involve Nuevo Laredo).	City of Laredo water utility, Webb County, and Nuevo Laredo	\$23,000	EPA border grant through the BECC	Karla Robles (City of Laredo Utilities) <a href="mailto:krubles@ci.laredo.tx.us">krubles@ci.laredo.tx.us</a>	Hold the workshop by the spring of 2013 and then follow-up meetings with utilities to discuss implementation of FOG programs in the summer and fall of 2013.	A binational workshop was held in March 2013. More than 360 people, including representatives from the maquiladora and restaurant sectors, attended the event. Utilities staff will meet with municipalities and utility officials to share their experiences and provide guidance on how to apply FOG practices in their

							communities.
2.2.04	Conduct training for small businesses in the Reynosa area on best practices related to discharges of fats, oils, and grease (will include before and after measures).	Municipio of Reynosa	\$16,000	EPA border grant through the BECC	Mauricio Chalons (Municipio of Reynosa), 899 263-3798, <a href="mailto:ecologiareynosa@hotmail.com">ecologiareynosa@hotmail.com</a>	Organize a workshop or training event(s).	Project canceled.
2.2.05	Implement a public campaign to increase awareness of problems of non-point-source pollution in the Lower Rio Grande Valley of Texas, through signs posted on roadways and at public facilities, messages on a school district television station, presentations at numerous public events and meetings, and newsletters of various organizations.	Fifteen cities in the Lower Rio Grande Valley (LRGV) that are members of the Texas Pollution Discharge Elimination System Stormwater Task Force, Texas A&M Kingsville, school districts, and NGOs	\$40,000	EPA border grant through the BECC	Javier Guerrero (Lower Rio Grande Valley TPDES Stormwater Task Force, Texas A&M University-Kingsville), 956- 457-3023 <a href="mailto:jguer0351@aol.com">jguer0351@aol.com</a>	Complete the project by the end of 2013.	Workshops were coordinated with the Cities of Harlingen, San Benito, La Feria, Palm Valley, Primera, Weslaco, Donna, Alamo, San Juan, La Joya, Edinburg, Palmview, and Mission. A total of 104 signs were installed by those cities at various locations, and those locations were GPS'd.
2.2.06 (Sub-Obj. 3a)	Implement a binational Lower Rio Grande Water Quality Initiative (from Falcon to the Gulf) that characterizes the state of the river, develops a strategic plan to improve environmental conditions, and proposes a monitoring plan to document progress.	TCEQ, EPA, IBWC, CONAGUA, and federal, state, and local government agencies		TCEQ, EPA, IBWC, and federal, state, and local government agencies	Kelly Holligan (TCEQ), 512-239-2369, <a href="mailto:Kelly.holligan@tceq.texas.gov">Kelly.holligan@tceq.texas.gov</a>	Establish the collaborative partnership by early 2013, and make substantive progress on objectives by the end of 2014.	Terms of reference were developed that serve as the framework used by participating entities in the collaboration. In February and July 2013, TCEQ hosted training sessions on water quality modeling software (QUAL-TX and LAQUAL) for Mexican agency and EPA staff.
2.2.07 (Sub-obj. 2b)	Install/upgrade new sewer lines connected to Nuevo Laredo's wastewater treatment plant to prevent contaminated discharges to the Rio Grande.	COMAPA and Municipio de Nuevo Laredo	\$5,000,000	North American Development Bank (NADB)	Claudia López Aguilar (Comisión Municipal de Agua Potable y Alcantarillado—COMAPA) <a href="mailto:claudialopez@comapan.com">claudialopez@comapan.com</a>	Complete the project by summer 2013.	BECC certified the project in September 2012. COMAPA will complete the construction of four sewer collectors to the



					<a href="http://uevolaredo.gob.mx">uevolaredo.gob.mx</a>		wastewater treatment plant by August 2013 and will work with CONAGUA on securing funding to address sewer discharges (about 280,000 GD) from La Joya Creek to the Rio Grande.
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**Objective 3: Work binationally to identify and reduce surface water contamination in transboundary waterbodies or watersheds.**

2.3.01	Develop and produce region-specific supplemental materials necessary to produce a <i>Waters to the Sea</i> - Rio Grande module. ( <i>Place-based education with comprehensive watershed focus</i> ).	Center for Global Environmental Education (CGEE)- Hamline University. Harte Research Institute @ A&M- Corpus Christi. EPA R6, WEAT, AWWA.	Approx \$100,000 in 2013  \$ 50,000 in 2014	Various funding possibilities will be explored	CGEE- Tracy Fredin  Karen Bick, EPA, Region 6 (214) 665-7539 <a href="mailto:bick.karen@epa.gov">bick.karen@epa.gov</a>	Recruit and establish an advisory board, produce videos and other materials, identify one or two ISDs to pilot program, and conduct training for at least 25 teachers in 2014.	Exploratory discussions were underway in 2012. No information since then.
2.3.02	Conduct feasibility studies for wastewater treatment plants in the municipalities of Hidalgo and Guerrero, Coahuila.	CEAS Coahuila, SEMA Coahuila	\$15,000	CNA, Coahuila	Alejandra Carrera (SEMA Coahuila), <a href="mailto:alejandra.carrera@sema.gob.mx">alejandra.carrera@sema.gob.mx</a>	Complete the studies by early 2014	CEAS has completed the feasibility studies and is making efforts to implement water management programs in those municipalities.
2.3.03	Design and implement local public conservation campaigns and land conservation agreements for Rio San Rodrigo and Arroyo Las Vacas.	SEMA Coahuila, Municipio de Piedras Negras and Municipio de Acuña	\$400,000	Coahuila will fund first part and will be seeking funding for the rest	Alejandra Carrera (SEMA Coahuila), <a href="mailto:alejandra.carrera@sema.gob.mx">alejandra.carrera@sema.gob.mx</a>	Begin implementing the campaigns and conclude the agreements by the end of 2014.	No progress yet.
2.2.04	Implement a program to remove invasive plants in the Rio Grande.	SEMA Coahuila, CONANP, Profauna	\$85,000	SEMA Coahuila, CONANP, Profauna – and will seek other	Alejandra Carrera (SEMA Coahuila) <a href="mailto:alejandra.carrera@sema.gob.mx">alejandra.carrera@sema.gob.mx</a>	By the end of 2014, increase the invasive species plant removal program in the Rio Grande.	No progress yet.

				funding sources			
2.2.05	Organize a regional workshop to disseminate “best practices” related to water conservation policy, programs (such as EPA’s Water Sense), and public education, and implement enhanced programs in at least one pair of sister cities.	City of Laredo, EPA, TCEQ, TX Water Development Board, Piedras Negras Technological Institute	\$6,000	City of Laredo, EPA, TCEQ, and local sponsors	Miguel A. Pescador <a href="mailto:mpescador@ci.laredo.tx.us">mpescador@ci.laredo.tx.us</a>  Debora Browning EPA, Region 6 <a href="mailto:browning.debora@epa.gov">browning.debora@epa.gov</a>	Hold a regional workshop in Laredo by spring 2013, and implement a new campaign in two sister cities by 2014.  Enlist 10 new WaterSense Partners.	Workshop was hosted by Laredo in March 2013. More than 100 persons attended. No new WaterSense Partners by mid-July.

### Goal # 3: Promote Materials Management, Waste Management and Clean Sites

Project #	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact	2013-2014 Target	Progress Towards Target
<b>Objective 1: By 2020, increase local and state-level knowledge and experience in the area of sustainable material management practices.</b>							
3.1.01	Link and promote the Mexican federal program “Green Schools” in all three Mexican states in the region and explore possible use in Texas.	SEMARNAT/Tamaulipas and state agencies in Tamaulipas, Nuevo León, and Coahuila	??	SEMARNAT	Delfino Ramirez (SEMARNAT/Tamaulipas), <a href="mailto:Delfino.ramirez@semarnat.tamaulipas.gob.mx">Delfino.ramirez@semarnat.tamaulipas.gob.mx</a>	Reach 150 schools in the 3 Mexican States by July 2013.  Hold an information exchange meeting w/Texas 2014	Program very successful in Tamaulipas--135 schools are registered in the Green School Program, of which 33 are in Nuevo Laredo, 50 in Reynosa and 9 in Matamoros. Information not available from other states.
3.1.02	Design and implement a bilingual campaign against illegal dumping in Cameron County, Texas, using billboards, newspapers, and workshops at schools.	Cameron County and the Valley Proud Environmental Council	\$10,000	LRGVDC, TCEQ	Marcie Oviedo (Lower Rio Grande Development Council), <a href="mailto:moviedo@lrgvdc911.org">moviedo@lrgvdc911.org</a> , (956) 682-3481	Finish the project by the end of 2013.	The project has been completed.
3.1.03	Through purchase of equipment, enhance the recycling programs in three local jurisdictions and composting operations in two jurisdictions.	The Cities of Pharr, Mission, McAllen, and Mercedes, and the Town of Bayview	\$160,000	Lower Rio Grande Valley Developm	Marcie Oviedo (Lower Rio Grande Development Council), <a href="mailto:moviedo@lrgvdc911.org">moviedo@lrgvdc911.org</a> (956) 682-3481	Finish the five separate but related projects by the end of 2013.	As of mid-July 2013, four of the five entities had completed their projects; the project in McAllen is in progress.

				ent Council, TCEQ, and individual local government			
3.1.04	Establish an environmental organization to develop environmental awareness and clean-up programs in Nuevo Laredo.	Keep Laredo Beautiful, Keep America Beautiful, and the Municipio de Nuevo Laredo	\$5,000	The Gateway Rotary Club and Keep America Beautiful	Ing. Marco Antonio Garza Delgado y Lic. María Guadalupe Herrera Rodríguez U.T. (Programa Zona Verde, Nuevo Laredo)  Lynne Nava (Keep Laredo Beautiful), <a href="mailto:lnava1@ci.laredo.tx.us">lnava1@ci.laredo.tx.us</a>	Recruit reps of non-profit organizations and school officials as members of a board of directors in 2013.	No progress toward target as of July 2013.
3.1.07	Expand a municipal recycling program started in March 2012 in Nuevo Laredo and currently consisting of placing public bins in parks, to include all elementary schools in Nuevo Laredo.	Municipio de Nuevo Laredo	???	Municipio de Nuevo Laredo	Osvaldo Valencia (Municipio de Nuevo Laredo—Ecology Program) <a href="mailto:valencia_osvaldo@hotmail.com">valencia_osvaldo@hotmail.com</a>	Install the bins at all elementary schools in 2013 and start relevant environmental education programs for students.	Environmental education conferences were resumed at city elementary schools in February 2013.
3.1.08	Extend Tamaulipas’ environmental management system program (SIMA) to private institutions, schools and shops.	SEDUMA	\$ 300,000	EPA/SEDUMA/SEMA RNAT	Ing. Humberto Rene Salinas <a href="mailto:seduma@tamaulipas.gob.mx">seduma@tamaulipas.gob.mx</a>	Reach out to 100% of the border cities	In progress; so far 30 schools in Matamoros are registered in this program.
3.1.09	Redesign and extend coverage of the E-conexion Newsletter as strategy to share best practices.	SEDUMA	\$ 30,000	SEDUMA	Ing. Humberto Rene Salinas (SEDUMA), <a href="mailto:seduma@tamaulipas.gob.mx">seduma@tamaulipas.gob.mx</a>	Extend the dissemination of the E-Conexion to 100% of the Tamaulipas municipalities	
<b>Objective 2: By 2014, identify priority waste streams and by 2020 develop sustainable material management practices that strengthen their respective market value.</b>							
3.2.01	Build capacity in scrap-tire management throughout the region.	Sustainable Development Secretariat, State of Nuevo León	\$35,000	EPA border grant through	Norma Rangel Sevilla (SDS, Nuevo León), <a href="mailto:normaarangel@gmail.com">normaarangel@gmail.com</a>	Prepare a “best practices” manual and perhaps hold a regional workshop	Funding approved by BECC – In progress

				the BECC			
3.2.02	Use organic waste generated in Sabinas Hidalgo, Nuevo León to make compost and then apply it to agricultural uses and urban gardening.	Sustainable Development Secretariat, SEMARNAT- Municipio of Sabinas Hidalgo, Nuevo León	Mexican federal funds \$67,000	Municipio of Sabinas Hidalgo Nuevo León	Norma Rangel Sevilla (SDS, Nuevo León), <a href="mailto:normaarangel@gmail.com">normaarangel@gmail.com</a> y <a href="mailto:chel1977@live.com.mx">chel1977@live.com.mx</a>	By the end of 2014, compost 100% of organic waste collected by the municipality from large waste generators.	Resources have been requested for 2013. A new administration appears to be supportive.
3.2.03	Assess the feasibility of using scrap tires for heavy-duty road-bed construction in Brownsville, Texas.	Texas A&M University – Kingsville	\$15,000	EPA border grant through the BECC	Dr. Kim Jones <a href="mailto:kfkdi00@tamuk.edu">kfkdi00@tamuk.edu</a>	Targets for 2013-2014???	No information received.
3.2.04	Develop a composting operation in Nuevo Laredo using sludge from the wastewater treatment plant and yard wastes, and apply the product in municipal parks as well as in homes (through sales to homeowners).	COMAPA and Municipio de Nuevo Laredo	\$30,000 ¿?	Municipio de Nuevo Laredo	Carlos Montiel Saeb (Comisión Municipal de Agua Potable y Alcantarillado— COMAPA) <a href="mailto:carlosmontielsaeb@hotmail.com">carlosmontielsaeb@hotmail.com</a>	The program, including applications and sales, is expected to be in full operation by sometime in 2013.	Currently the compost is being applied to the germination of seeds and vegetables in the greenhouse of the municipio's Research and Environmental Education Center.
3.2.05	Implement a collection program for used electronic products in Reynosa, Tamaulipas.	Municipio of Reynosa	\$30,000	EPA border grant through the BECC	Mauricio Chalons (Municipio of Reynosa), 899 263-3798 <a href="mailto:ecologiareynosa@hotmail.com">ecologiareynosa@hotmail.com</a>	The project will be in full operation by spring 2013	First steps to initiate program were taken in August 2012, and it continues. They have collected about 20 tons and sent for recycling 14 tons.
3.2.06	Design and implement a state scrap tire management program that includes valuation.	SEDUMA	\$ 400,000	SEDUMA/S EMARTAN T/EPA	Ing. Humberto Rene Salinas (SEDUMA), <a href="mailto:seduma@tamaulipas.gob.mx">seduma@tamaulipas.gob.mx</a>	Develop public policy and management plan for scrap tires	No information available.
3.2.07	Evaluate and take advantage of energy potential of waste in Matamoros landfills.	SEDUMA	\$ 300,000	SEDUMA/EPA	Ing. Humberto Rene Salinas <a href="mailto:seduma@tamaulipas.gob.mx">seduma@tamaulipas.gob.mx</a>	Complete action plan	No information available.

<b>Objective 3: By 2020, improve knowledge in every level of government (federal, state, local) to characterize and remediate contaminated sites.</b>							
3.3.01	Complete the remediation of old oxidation lagoons.	Municipio de Piedras Negras and State of Coahuila environmental agency (SEMA)	\$300,000	State of Coahuila environmental agency (SEMA)	Alfredo Lucero (Piedras Negras), <a href="mailto:aalm68@hotmail.com">aalm68@hotmail.com</a>	Complete the remediation of the remaining 10.3 acres by the end of 2013, after which the municipality will develop a road extension to and a green area at the site.	Prior to 2012, 19.7 acres of the 30-acre site had been remediated. No new information available.
3.3.02	Clean up an old waste disposal site near the river banks of the Rio Grande in Eagle Pass.	City of Eagle Pass	\$3.5 million	City of Eagle Pass plus an additional funding source to be determined	Hector Chavez (Eagle Pass) <a href="mailto:hchavez@eaglepasstx.us">hchavez@eaglepasstx.us</a>	Finish the remediation in 2013, if supplementary funding can be identified, and then develop a green area on the site.	The city is still seeking supplementary funding to complete the remediation of the site.
3.3.03	Establish a sustainable management plan for scrap tires in Piedras Negras, Coahuila.	SEMA, Municipio de Piedras Negras	\$400,000	??	Miguel Angel Leal ( <a href="mailto:miguel.leal@sema.gob.mx">miguel.leal@sema.gob.mx</a> )	Develop plan and place in full operation by the end of 2014	SEMA determined they need to perform a feasibility study on using coal pits as disposal sites for scrap tires.

## Goal #4: Enhance Joint Preparedness for Environmental Response

Project #	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact	2013-2014 Target	Progress Towards Target
<b>Objective 2: By 2020, at least eight (8) of the sister city joint contingency plans will be supplemented with preparedness and prevention related activities such as certified training, risk analysis, and/or capacity building.</b>							
4.2.01	Develop an emergency response plan for the maquiladoras in Brecha E-99 in Reynosa, Tamaulipas.	CAMPIR (Comite de Ayuda Mutua del Parque Industrial Reynosa) (Reynosa Industrial Park Mutual Aid)	\$10,000	EPA border grant through the BECC	Dr. Emilio Sonderegger Arriola <a href="mailto:emilio.sonderegger@landisgyr.com">emilio.sonderegger@landisgyr.com</a>	???	Project canceled.

		Committee)					
4.2.02	Hold a second “knowledge exchange” on risk mapping for first responders on both sides of the Lower Rio Grande Valley in Texas-Tamaulipas, for the purpose of identifying and gaining access to existing sources of data on hazmat storage and determining additional needs.	Fire departments from Texas and Mexican municipalities in the Gulf Task Force area, EPA, TCEQ, Civil Protección Tamaulipas and Mexico Civil Protección	\$30,000(?)	EPA and NORTHCOM	Paige Delgado (EPA), <a href="mailto:Delgado.paige@epa.gov">Delgado.paige@epa.gov</a> EPA Region 6	Hold the exchange during the first half of 2013	A first exchange was held in July 2012.  As of July 2013, the project is on hold because of the uncertainty of funding from NORTHCOM.
4.2.03	Hold a binational chemical-spill exercise at the World Trade Bridge between Nuevo Laredo, Tamaulipas and Laredo, Texas.	Civil Protection and Fire Department of Nuevo Laredo, Tamps., and the City of Laredo Fire Department	\$5,000	EPA border grant through the BECC	Lic. Juan Ernesto Rivera Gómez (Civil Protección de Nuevo Laredo), <a href="mailto:proteccioncivilnuevolaredo@hotmail.com">proteccioncivilnuevolaredo@hotmail.com</a> or <a href="mailto:ernestorivera5775@hotmail.com">ernestorivera5775@hotmail.com</a>	Hold the exercise after the Mexican federal government has approved a permit that allows hazardous waste to be transported on this bridge.	The Mexican government has not issued a permit yet for hazardous waste transport.
4.2.04	Develop a cross-border contingency plan for the Solidarity Bridge, involving first responders from Colombia (Nuevo León), Nuevo Laredo (Tamaulipas), and Laredo (Texas), recognizing that Colombia, upstream from the other two cities, is much smaller and yet shipments of hazardous materials in the area are currently directed to this bridge.	Civil Protección and fire departments for both Colombia and Nuevo Laredo, CODEFRONT, and the City of Laredo	\$5,000 - will be looking for funders	EPA, COCEF, PROFEPA, and Protección Civil	Jorge Camacho (Protección Civil de Nuevo León). <a href="mailto:jorge.camacho@nuevoleon.gob.mx">jorge.camacho@nuevoleon.gob.mx</a>	Add appropriate information related to the Solidarity Bridge to the Joint Contingency Plan for Laredo and Nuevo Laredo by the end of 2013 (see following project).	[See following project]
4.2.05	Finish updating the 1998 Cross-Border Contingency Plan between the sister cities of Laredo, Texas and Nuevo Laredo, Tamaulipas, in order to improve emergency response communication and protocols.	Laredo Fire Department, Protección Civil de Nuevo Laredo, and CILA	No cost	City of Laredo and Nuevo Laredo	Eloy Vega (City of Laredo Fire Department), <a href="mailto:evaga@ci.laredo.tx.us">evaga@ci.laredo.tx.us</a>  Ernesto Rivera (Protección Civil de Nuevo Laredo), <a href="mailto:proteccioncivilnuevolaredo">proteccioncivilnuevolaredo</a>	Hold new meetings of the staff of the two cities in 2013 in order to revisit the language of the draft revision and possibly develop alternative language.	Laredo officials met in May 2013 to analyze language related to response and security protocols on the Mexican side included in the draft version of the plan. It is currently under review by city

					<a href="mailto:redo@hotmail.com">redo@hotmail.com</a>		officials and it will be an agenda item for City Council action soon.
4.2.06	Update and improve the cross-border contingency plans for emergency response for the sister-city pairs of (a) Eagle Pass, Texas and Piedras Negras, Coahuila and (b) Del Rio, Texas and Ciudad Acuna, Coahuila, which will include risk analysis and development of risk maps.	City of Eagle Pass, Municipio de Piedras Negras, City of Del Rio, Municipio de Ciudad Acuña, BECC, and the Rio Grande Institute	\$130,000	EPA border grant through the BECC	Briselda Duarte (Border Environment Cooperation Commission), <a href="mailto:bduarte@cocef.org">bduarte@cocef.org</a> and M.C. Mónica de Jesús Pérez Morales (Consultoría y Servicios en Seguridad Industrial y Medio Ambiente, S.A. de C.V.)	Complete new plans by the end of 2013.	BECC contracted with Rio Grande Institute, which held two workshops for first responders in the first half of 2012 to discuss protocols and risks. After no progress in the following 12 months. BECC hired new contractor, which held workshops in July 2013. Target for updated plans still December 2013.

## Multi-Goal Projects

Project #	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact	2013-2014 Target	Progress Towards Target
Projects potentially related to some <u>combination</u> of air quality, water quality, water conservation, or waste management							
6.0.01	Organize educational campaigns featuring training sessions for health professionals, health students, and promotoras followed by community outreach in the Laredo and Harlingen areas in Texas, addressing how to reduce pre-natal and childhood exposure to pesticides, lead, solvents, second-hand tobacco, and diesel exhaust.	The University of Texas Health Science Center in San Antonio	\$50,000	EPA border grant through the BECC	Claudia Miller, M.D., <a href="mailto:MillerCS@uthscsa.edu">MillerCS@uthscsa.edu</a> or <a href="mailto:steer@uthscsa.edu">steer@uthscsa.edu</a>	Complete the project by the end of 2013.	Project completed -- through July 2013, trained 40 promotoras in the N. Laredo/ Laredo and Cameron County/ areas on the hazardous exposures in pregnancy and childhood and how to avoid these exposures. These promotoras have already provided outreach to 400 families.

6.0.02	Conduct educational workshops/plays on the safe handling and disposal of pesticides for farm workers in the Lower Rio Grande Valley of Texas and in the Laredo area.	Migrants in Action – Weslaco, Texas	\$20,000	EPA border grant through the BECC	Noemi Ochoa (Association of Farmworker Opportunity Programs), <a href="mailto:nochoa@yahoo.com">nochoa@yahoo.com</a>	Produce the EPA-written play “El Moscas y los Pesticidas” using students in two cities in the first half of 2013	Project completed-- Student groups in Laredo and Edinburg performed the play before more than 2,000 people.
6.0.03	Identify the sources of environmental health hazards through a “knowledge exchange” workshop and establish a binational database on epidemiological data related to these hazards.	Texas A&M Health Science Center, School of Rural Public Health, PAHO, BECC, HIDA-REY COBINA, Hidalgo County Health Dept.	\$50,000	EPA border grant through the BECC	Genny Carrillo (Texas A&M Health Science Center, School of Rural Public Health), <a href="mailto:gcarrillo@srph.tamhsc.edu">gcarrillo@srph.tamhsc.edu</a>	Hold the “knowledge exchange” workshop and establish the database by the end of 2013.	Project on hold; difficulty obtaining data from the Mexican side.
6.0.04	Address children’s environmental health issues in Laredo, Texas and Webb County by surveying a sample of homes and identifying health risks, tracking reported exposures through selected hospitals and clinics, developing and implementing a public outreach campaign regarding the identified risks, and identifying and publicizing two relevant online courses available for physicians.	Laredo Health Department	\$50,000	EPA border grant through the BECC	Waldo Lopez (City of Laredo Health Department) <a href="mailto:wlopez@ci.laredo.tx.us">wlopez@ci.laredo.tx.us</a>	Complete the project by the end of 2014.	The grant ended in May. More than 80 schools and 1,000 students were trained on pesticide awareness and disposal tools. The health department is seeking to renew the grant and include outreach in more colonias and companies in the Eagle Ford Shale.
6.0.05	Organize an annual Environmental Summit for the public in the Lower Rio Grande Valley, in cooperation with State Representative Eddie Lucio III’s office.	TCEQ, and cities in the Lower Rio Grande Valley	\$15,000	Local sponsors , EPA	Imelda Pena, TCEQ <a href="mailto:imelda.pena@tceq.texas.gov">imelda.pena@tceq.texas.gov</a>	Hold an Environmental Summit in fall of 2013.	Summit being planned for October 4, 2013. Currently signing up speakers and organizing logistics and outreach.
6.0.06	Organize an annual Environmental Summit for the public in Webb County, in cooperation with State Senator Judith Zaffirini’s office.	TCEQ and the City of Laredo	\$15,000	Local sponsors , EPA	Carmen Ramirez, TCEQ , <a href="mailto:carmen.ramirez@tceq.texas.gov">carmen.ramirez@tceq.texas.gov</a>	Hold an Environmental Summit fall of 2013.	Summit being planned for October 17, 2013. Currently signing up speakers and organizing logistics and outreach.