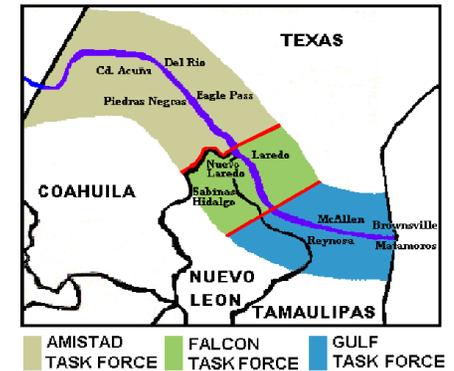


BORDER 2020 2017-2018 Action Plan TX-COAH-TAMP-NL Regional Workgroup



The Four-State Regional Workgroup is the most complex of the four regional workgroups because of its geographical extension and the number of municipalities. The region includes parts of three states and at least 29 municipalities 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 established subject-specific committees related to its priority concerns.

Border 2020 has five goals and the regional work groups propose projects to implement these goals. These projects are tracked in two-year revolving work plans. The 2017-2018 version is the second of its kind. Several projects have been carried over from the 2016-2016 Action Plan. Due to consensus by the Four State Workgroup, a sixth goal for health and education projects was included. Projects are organized by Border 2020 goals and objectives.

In October of 2016, the three task forces held meetings to discuss initial priorities for the 2017-2018 Action Plan as well as several conference calls with leaders to develop a consensus of priorities at the local and regional workgroup levels.

Regional Priorities

Goal 1: Reduce Air Pollution

- Implement atmospheric monitoring programs under the same criteria of analysis and promote the dissemination of results in the four states
- Set actions in accordance with the public policies of micro and macro-economic analysis of climate change state programs
- Promote the implementation of the PROAIRE air quality program and its strategies in the border communities

Goal 2: Improve Access to Clean and Safe Water

- Continue to improve energy efficiency for water operators in border municipalities
- Continue the water conservation programs and encourage the reuse of treated water for irrigation
- Strengthen wastewater sanitation programs and actions
- Disseminate green infrastructure actions for sustainable development of border communities
- Promote strategies for adequate wastewater management in Tamaulipas border municipalities

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

- Increase institutional capacity at the local and state levels for sustainable practices in solid waste management
- Develop collection and comprehensive waste management programs for used electronics for municipalities in the border area

- c) Develop collection and comprehensive waste management programs for proper disposal of household hazardous waste for municipalities in the border area
- d) Continue efforts to implement comprehensive scrap tire management programs
- e) Strengthen operations of the sanitary landfills in border municipalities, with plans to capture and take advantage of the biogas and convert to energy
- f) Develop comprehensive actions to eliminate unauthorized open-air dump sites
- g) Encourage municipal programs for holistic waste management
- h) Promote the integral waste management in the Mexican municipalities

Goal 4: Enhance Joint Preparedness for Environmental Response

- a) Continue the binational relationship in emergency response for training, equipment and drills
- b) Promote the creation of risk atlases for waste management and hazardous materials in border communities
- c) Carry out the required border studies for the protection of local communities
- d) Generate a diagnosis of equipment, training, and ability to respond to an emergency in border municipalities

Goal 5: Enhance Compliance Assurance and Environmental Stewardship

- a) Implement binational workshops targeted to environmental enforcement professionals, including ports-of-entry customs professionals, to promote the exchange of information and improve understanding of each country's respective compliance and enforcement programs
- b) Promote the updating, sharing and application of municipal environmental regulations in border communities
- c) Carry out the land management plans in the states and municipalities along the border region
- d) Establish regulatory and operational mechanisms for the control of wild hogs

Promote Cross-Cutting Efforts Related to Environmental Health & Environmental Education

- a) Develop a study that identifies the five top main risks on environmental health in border communities

Fundamental Strategies

- a) Promote actions and environmental education programs on waste, recycling, water and fauna in the Kickapoo reservation
- b) Implement a study related to the handling and disposal of used accumulators and their impact on public health
- c) Establish a binational bilingual program for education purposes on environmental and public health topics according to regional priorities.

Amistad Task Force

Goal 1: Reduce Air Pollution

1. Establish and strengthen vehicle emissions programs in Acuña, Piedras Negras and Nava
2. Promote initiatives to develop energy efficiency and reforestation programs in the industrial sector in Acuña and Piedras Negras
3. Promote the implementation of strategies by the SEMARNAT PRO AIRE air quality program in Acuña, Piedras Negras and Nava

Goal 2: Improve Access to Clean and Safe Water

1. Conduct water quality monitoring of tributaries along the Rio Grande in Acuña and Piedras Negras
2. Develop Fats, Oils and Grease (FOG) workshops in Acuña and Piedras Negras, replicating the model in Laredo

3. Promote and develop green infrastructure projects and water conservation programs in Acuña and Piedras Negras

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

1. Promote the implementation of integrated solid, household hazardous waste and used electronic programs in Acuña and Piedras Negras
2. Strengthen scrap tire management programs and promote scrap tire reuse for projects in Acuña and Piedras Negras
3. Promote initiatives to develop plastic bag reduction programs in Acuña and Piedras Negras

Goal 4: Enhance Joint Preparedness for Environmental Response

1. Update the directory of emergency response personnel in the Acuña-Del Rio and Eagle Pass-Piedras Negras and develop a knowledge exchange workshop in Eagle Pass
2. Coordinate two emergency response tabletop exercises and joint response drills between Eagle Pass and Piedras Negras and Del Rio and Acuña

Promote Cross-Cutting Efforts Related to Environmental Health & Environmental Education

1. Develop awareness programs on vector borne illnesses such as Zika and Dengue virus in Acuña and Piedras Negras
2. Launch a binational environmental education program on recycling, energy efficiency and water conservation in Eagle Pass and Piedras Negras using social and broadcast media

Falcon Task Force

Goal 1: Reduce Air Pollution

1. Develop emissions inventory in Tamaulipas border communities and strengthen air quality monitor programs
2. Establish an automatic air quality monitoring station in Nuevo Laredo
3. Incentivize members of industry associations and the Nuevo Laredo chamber of commerce to implement energy efficiency projects
4. Develop climate change programs in Nuevo Laredo and Anahuac
5. Develop air quality mitigation measures by reducing wait times and idling of vehicles, at the Laredo and Nuevo Laredo international bridges
6. Establish a vehicle emissions program for imported vehicles crossing into Nuevo Laredo

Goal 2: Improve Access to Clean and Safe Water

1. Promote and train households on best practices related to the management of Fats, Oil and Grease (FOG) waste in Laredo
2. Conduct an assessment on water and wastewater needs in rural areas in Webb County and provide training to water and wastewater operators in these areas
3. Establish green infrastructure, water conservation and wastewater reuse programs to irrigate green areas in Nuevo Laredo and Laredo

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

1. Strengthen compliance and enforcement programs to eliminate illegal dumpsites in Nuevo Laredo
2. Develop an environmental education program to promote solid waste management and recycling tools in Laredo, Anáhuac and Nuevo Laredo
3. Promote and strengthen alternative markets for scrap tire disposal and reuse in Nuevo Laredo, Anáhuac and Laredo
4. Coordinate simultaneous household hazardous waste programs every two years in Laredo and Nuevo Laredo, to increase the level of participation by residents
5. Conduct a study to develop a facility to dispose construction waste in Nuevo Laredo

6. Promote the integrated solid waste management program and establish a plastic bag reduction program in Nuevo Laredo

Goal 4: Enhance Joint Preparedness for Environmental Response

1. Provide training to Nuevo Laredo emergency responders on hazardous materials and coordinate a binational tabletop and joint contingency exercise between Laredo and Nuevo Laredo

Goal 5: Enhance Compliance Assurance and Environmental Stewardship

1. Provide training to Nuevo Laredo officials on environmental compliance and enforcement tools and work with Tamaulipas officials to update local environmental ordinances

Promote Cross-Cutting Efforts Related to Environmental Health & Environmental Education

1. Develop a binational environmental awareness program on energy efficiency, water conservation, recycling and prevention of vector borne illnesses in Laredo and Nuevo Laredo

Gulf Task Force

Goal 1: Reduce Air Pollution

1. Develop the Climate Change Programs in the Mexican municipalities of Valle Hermoso, Rio Bravo, Reynosa and Matamoros
2. Strengthen the programs of atmospheric monitoring and development of an emission inventory and make operable three PM 10 monitors to collect emission data and compare air quality in nearby areas in Reynosa

Goal 2: Improve Access to Clean and Safe Water

1. Conduct a study regarding the presence of chromium in the management and management of drinking water in the border area
2. Carry out a study and monitoring in the lower Rio Bravo / Rio Grande regarding the salinity of the water and disseminate the results
3. Educate residents and commercial users on industrial, oil and grease wastewater management and local pre-treatment and storm water ordinances
4. Establish actions of green infrastructure and water conservation through educational programs
5. Establish permanent training programs for operators of wastewater treatment plants

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

1. Generate comprehensive actions to identify and eliminate illegal trash dump sites
2. Test new equipment to collect waste from government buildings, hospital, schools and characterize and measure waste to properly develop a municipal waste management plan in Reynosa
3. Promote mechanisms for the management of waste tires, looking for alternatives for their recovery

Goal 4: Enhance Joint Preparedness for Environmental Response

1. Conduct 8 hr HAZMAT (29 CFR 1910.120) refresher training for Matamoros and Reynosa firefighters and 40 hour HAZMAT training for Rio Bravo and Valle Hermoso firefighters, tabletop and full mock exercise using skype and drone technology
2. Develop a risk analysis in the Harlingen and Los Indios point of entry
3. Organize a knowledge exchange workshop to assess equipment inventory and training needs, improve communication and emergency response capacity of Hidalgo and Cameron counties and Mexican border municipalities in the Gulf area

4. Establish a real-time warning system on the water quality conditions of the lower Río Grande / Río Grande with the objective of generating preventive actions in case of a contingency

Promote Cross-Cutting Efforts Related to Environmental Health & Environmental Education

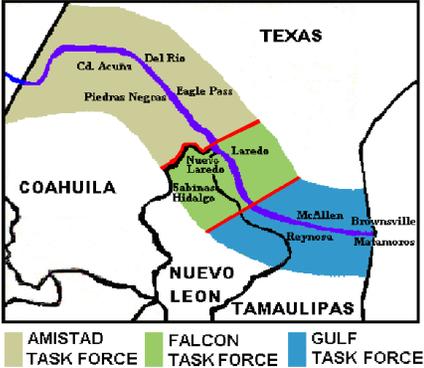
1. Implement a bilingual environmental education program in the area of waste recovery
2. Promote community programs to strengthen public health actions in border municipalities and rural communities, particularly in infants and their risks in their homes

DRAFT

Border 2020
2017-2018 Action Plan Grid
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 N°	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of Funding	Contact(s)	Objective 2017-2018	Progress Towards Target
1.5.01	<p>Coahuila Climate Action Plan</p> <p>Initiate Phase 2 of the State Climate Action Plan (PEAC, in Spanish) for Coahuila: quantification of mitigation policies selected in Phase 1.</p>	Coahuila State Government and BECC	\$275,000	BECC	Tomás Balarezo, BECC, tbalarezo@cocef.org	Organize meetings with the technical work groups, the advisory group, and the Climate Change Committee.	The project is currently in the Microeconomic and Public Policy Phase for Coahuila. Meetings have been held with the Technical Working Groups, the Advisory Group, and the Climate Change Committee. The Action Plan is ready and is in the process of being published

							in the Official Journal of the State.
1.5.02	Air Quality Network in Coahuila Establish an air quality monitoring network in the areas of Piedras Negras-Nava, Acuña, Sabinas, and Saltillo, Coahuila.	SEMA (Coahuila), Municipalities of Piedras Negras, Acuña, Nava, Sabinas, Saltillo	12 Million Pesos	SEMARNAT	Santiago Barrios, SEMA/Coahuila, santiago.barrios@sema.gob.mx	Initiate the project. It is currently in the review phase prior to bidding.	The project has been authorized and is in the review phase prior to bidding. Three air monitoring stations were installed and have been operating for a year.
1.5.03	Ambient Air Monitoring System Strengthen Tamaulipas' ambient air monitoring system.	SEDUMA Tamaulipas		SEDUMA, Border Municipalities	Celestino Alanís, SEDUMA	Install and operate 4 monitors in Matamoros by January 2017.	Currently 8 PM10 units are currently operating. Four in Nuevo Laredo, two in Ciudad Victoria, one in Tampico and one in Ciudad Madero. Budget Management
1.5.04	Green Infrastructure Workshop	SEMA, COCEF		SEMA, COCEF	Tomás Balarezo, COCEF, tbalarezo@cocef.org	Train municipalities in border states on Green infrastructure.	

1.5.05	ProAire- Tamaulipas	SEDUMA Tamaulipas, SEMARNAT, Municipalities of Nuevo Laredo, Reynosa, and Matamoros	Tamaulipas State Budget	SEDUMA, SEMARNAT	Ing. Celestino Alanís, SEDUMA Celestino.alanis@tama ulipas.gob.mx	<p>Establish the core committee "ProAire - Tamaulipas" in the first half of 2017</p> <p>Work in the diagnosis of measures and actions to improve air quality in Tamaulipas during the year 2017</p> <p>Work in the agreement for the implementation of the "ProAire - Tamaulipas" in the course of 2018</p>	<p>Core Committee "ProAire - Tamaulipas" established.</p> <p>Diagnosis of measures and actions to improve Air Quality in Tamaulipas in process.</p>
15.06	Mobile Monitoring Stations for the State Monitoring System	SEDUMA Tamaulipas, SEMARNAT	SEDUMA MXP \$1.9 M SEMARNAT MXP \$12.6 M	PEF, SEDUMA	Ing. Celestino Alanís, SEDUMA Celestino.alanis@tama ulipas.gob.mx	<p>Establish an Automatic Network of Atmospheric Monitoring that allows to have updated information of the contaminants in the places where the mobile stations are located.</p>	Budget Management
15.07	Stationary Stations for the State System of Atmospheric Monitoring of Tamaulipas (SEMAT).	SEDUMA Tamaulipas, SEMARNAT, Municipalities of Nuevo Laredo, Reynosa, and Matamoros	SEDUMA MXP \$2.4M SEMARNAT MXP \$24.6M	PEF, SEDUMA	Ing. Celestino Alanís, SEDUMA Celestino.alanis@tama ulipas.gob.mx	<p>Establish an Automatic Network of Atmospheric Monitoring with the measurement of parameters of:</p> <ul style="list-style-type: none"> - NOx (Nitrogen Oxides) - O3 (Ozone) 	Budget Management

						<ul style="list-style-type: none"> - CO (Carbon Monoxide) - SO2 (Sulfur Dioxide) - PM2.5 and PM10 (Particulate Material) <p style="text-align: right;">New for 2017</p>	
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Goal # 2: Improve Access to Clean and Safe Water

Project N°	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Contact(s)	Objective 2017-2018	Progress Towards Target
<p><u>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.</u></p>							
2.2.01	<p>Upgrade Nuevo Laredo Sewer Line Infrastructure</p> <p>Install new or upgrade selected existing sewer lines and connect them to Nuevo Laredo’s wastewater treatment plant to prevent contaminated discharges through the storm water system to the Rio Grande.</p>	COMAPA and Municipio de Nuevo Laredo	\$5 Million	NADB	Delfino González C.P., COMAPA, dgcdelfino@comapanuevolaredo.gob.mx	Complete the project.	<p>The BECC certified the project in September 2012. Of the five sewer lines, one was completed during the first half of 2014. The remaining four lines are under repair and discharge about 1.6 MGD to the storm water system. Other discharge points were identified by COMAPA in the arroyos La Joya and Alazanas.</p> <p>Staff repaired a lift station that was not working properly, eliminating more than 2.7 MGD of untreated sewer discharges in Arroyo Las Alazanas.</p>

							<p>There are some other sewer collectors that are connected to the storm water system, discharging about 3.1 million gallons per day (MGD). One of the collectors is discharging about 1.3 MGD. COMAPA obtained financial support through a program with CONAGUA (Mexico's National Water Commission) to eliminate about 50% of this discharge.</p> <p>COMAPA is seeking funds to repair and connect the rest of the collectors to the wastewater system, with the goal of reducing discharges from 3.1 MGD to 2 MGD to the Rio Grande by December and eliminate all untreated discharges in 2018. The project is still in progress.</p>
2.2.02	<p>Ideal Biological Filtration Material South Texas Storm Water Management</p> <p>Identify the best locally available material for use in bio-swale in the Lower Rio Grande Valley and South Texas.</p>	University of Texas RGV	\$26,022	Border 2020	Jungseok Ho, Ph.D., P.E. Assistant Professor (956) 665-3104 jungseok.ho@UTRGV.edu	The proto-type bioswale will be tested in a newly constructed parking lot on the Edinburg campus of the University of Texas RGV.	<p>This project has been completed. The pumice stone resulted with the best hydrological performance material, this would be the ideal material to use, however because local availability and cost analysis is not favorable. It's recommended to use the recycled ground glass of medium porosity which also demonstrated a good hydrologic performance in the biological filtration process.</p>
2.2.03	<p>Decision Making Tool for Determining Storm Water Detention</p>	Texas A&M University-Kingsville	\$38,885	Border 2020	Javier Guerrero, E.I.T., M.S. Texas A&M University-Kingsville	Conduct educational workshops, prepare a quality	A modeling QAP targeting the WinSLAMM surface load allocation model was developed and submitted for EPA approval.

	Promote research and educational topics emphasizing green infrastructure strategies.				(956) 929-7189 Javier.Guerrero@tamuk.edu	assurance project plan. Develop a DMTG model, calibration and implementation.	The WinSLAMM modeling output will be used to generate the GI/LID runoff and pollutant reduction data to be used in the Decision Management Tool (DMT). Percentage of total project complete: 20%
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Objective 3: Work bi-nationally to identify and reduce surface water contamination in transboundary waterbodies or watersheds.

2.3.01	<p>Lower Rio Grande Binational Water Quality Initiative (LRGWQI)</p> <p>Implement a binational Lower Rio Grande Water Quality Initiative (from Falcon to the Gulf of Mexico) that characterizes the state of the river, develops a strategic plan to improve environmental conditions, and proposes a monitoring plan to document progress.</p>	TCEQ, EPA, IBWC, CILA, CONAGUA, and federal, state, and local government agencies		TCEQ, EPA, IBWC, and federal, state, and local government agencies	Kelly Holligan ,TCEQ, 512-239-2369, Kelly.holligan@tceq.texas.gov	Complete a watershed characterization report associated with the project.	The LRGWQI's Binational Technical Work Group (BTWG) completed an analysis of historical data (US and Mexican), including the synoptic data collected during the initiative (2014-2016). The results of the analysis is included in a watershed characterization report, which was completed in February of this year (2017). The BTWG also developed 10 different steady-state models (using the LA-QUAL software) for use in the project. All ten models have been calibrated for hydrology and hydraulics; five of the models have been calibrated for water quality. The TCEQ has developed a Geospatial Decision Support System (DSS) capable of running water quality scenarios. The DSS uses the aforementioned LA-QUAL models to simulate water quality under user-specified planning scenarios (i.e.,
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							population increases, changes in wastewater treatment levels, etc.). The DSS will be used to develop the Binational Water Quality Based Plan for the Lower Rio Grande/Río Bravo. A preliminary draft of the plan is expected to be completed by August 2018.
2.3.02	<p>Fat, Oil and Grease (FOG) Public Outreach Campaign</p> <p>Provide outreach and education to improve water quality through education with commercial users and residents.</p>	Brownsville Public Utilities Board	\$25,000	Border 2020	<p>Alicia Gracia, Brownsville Public Utilities Board agracia@brownsville-pub.com (956) 983-6483</p>	Educate at least 250,000 individuals, host four workshops and provide one-on-one assistance to at least 50% of the businesses in need of further education.	<p>A total of 84 “Cease the Grease” training sessions, were performed. A total of 1713 people participated in these trainings. The FOG trouble call history showed a reduction of 12.58% compared to same period in 2015. Bilingual Public service announcements, flyers, social media, TV interviews and digital billboards were created and used to promote the FOG campaign.</p> <p>https://tequilagroup.sharefile.com/share?#/view/s48ce8c0c5304e8d8</p>
2.3.03	<p>Supporting Local Stakeholder Participation in the Lower Rio Grande/Rio Bravo Water Quality Initiative</p> <p>Foster a sense of ownership among local stakeholders of a binational plan to restore and protect the water quality in the Lower Rio Grande and establish a sustainable</p>	University of Texas at Austin	\$58,575	Border 2020	<p>Dr. David Eaton eaton@mail.utexas.edu</p>	Organize five workshops on local water quality issues. Develop a Memorandum of Understanding (MOU) between stakeholders and binational partnerships.	All focus groups stakeholders along the US-MX border were identified. The five US stakeholder focus groups meetings were completed. Still working with Mexican Federal Agencies (CILA, CONAGUA and IMTA) to schedule the focus groups meetings in the Mexican side.

	forum for local information exchange and cooperation among of the binational community of water users in the Lower Rio Grande.						
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Goal # 3: Promote Materials Management, Waste Management, and Clean Sites

Project N°	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact(s)	Objective 2017-2018	Progress Towards Target
Objective 1: By 2020, increase local and state-level knowledge and experience in the area of sustainable material management practices.							
3.1.01	Environmental Ordinance for the Disposal of Construction Waste	Municipality of Nuevo Laredo, Tamaulipas	Funds paid by residents for the management and processing of waste.	Municipality of Nuevo Laredo, Tamaulipas	Ing. Rubén Ramos Secretary of Public Works, Urban Development & the Environment,	Generate an alternative for the community for the disposal of construction waste and mitigate illegal dumping.	<p>This project has operated continuously and generated an important effect on the community. It charges 123 pesos per cubic meter when the waste is no greater than two cubic meters. If it is three to ten cubic meters, the service costs 88 pesos. If it exceeds 10 cubic meters, 100 pesos are charged per cubic meter.</p> <p>The municipio has a facility in an area of 12 acres where construction waste is stored. It currently is near 80% of its storage capacity. The municipio is looking for another venue to use as a storage facility.</p> <p>Since construction waste is considered special waste and is handled by the state, Nuevo Laredo will be signing a memorandum of cooperation</p>

							with the Secretariat of Urban Development and Environment in Tamaulipas (SEDUMA) to train municipal staff on enforcement procedures related to special waste. The project is still in progress.
3.1.02	Construction and Equipment of the First Phase of the Type A Landfill in Río Bravo, Tamaulipas	SEDUMA, Municipio de Río Bravo, Tamaulipas	19.359 Millones Pesos	SEMARNAT PEF 2015	Dra. Silvia Casas González, SEDUMA, silvia.casas757@gmail.com	Process documentation for the adjudication of resources.	Budget Management for 2018
3.1.03	Construction of and Equipment for Type A Landfill in the Coal Deposit Region	SEMA, SEMARNAT, Municipalities of Múzquiz and Sabinas	25 Millones Pesos	SEMARNAT PEF 2015	Oscar Flores, SEMA, Oscar.flores@sema.gob.mx	Construction and operation.	Conduct soil studies. Under analysis prior to request for bids. The project is still in progress. The bidding process for the project ended and the technical studies are ready. The construction of the landfill started in September 2017.
3.1.04	Construction of and Equipment for a Regional Landfill in the Municipalities of Juárez and Progreso, Coahuila	SEMA, Municipality of Juárez and Progreso	8 Millones Pesos	PEMEX Hydrocarbon Fund	Oscar Flores, SEMA, Oscar.flores@sema.gob.mx	Construction and operation.	Under analysis prior to request for bids. The project is still in progress. The construction of the landfill was completed. Municipalities will receive the equipment in September 2017.
3.1.05	Construction of and Equipment for Two Urban Solid Waste Transfer	SEMA, Municipio de Múzquiz	8 Millones Pesos	PEMEX Hydrocarbon Fund	Oscar Flores,		Under analysis prior to request for bids. The project is still in

	Stations in the Municipality of Múzquiz, Coahuila				SEMA, Oscar.flores@sema.gob.mx	Construction and operation.	progress. The transfer stations are currently in the bidding process for funds, and will be installed after the construction of a landfill in the coal region
3.1.06	RECOLECTRÓN Program Collection program for used electronics in the municipalities. Inform and educate the population of the benefits of reusing used electronic products.	SEMA, Municipalities of Acuña, Allende, Nava and Sabinas	2 Million Pesos \$16,777	SEMA Border 2020	Griselda Salas Alemán, SEMA, griselda.salas@sema.gob.mx Oscar Flores, SEMA, 01152844 698-10-91 ext.7268 oscar.flores@sema.gob.mx	Continue collecting tons of waste. Conduct an assessment as well as training of municipal ecology staff on used electronics and implement actions for adequate disposal.	To date 44.89 tons has been collected. More than 442 tons of used electronics was collected, surpassing the goal of 259 tons that was set by the current six-year administration. The project is in progress.
3.1.07	Responsible Disposal of Tires Operation of a scrap tire disposal center. Using three slices, reduce the volume and risk of standing water, a breeding ground for mosquitoes (vectors for dengue fever).	Municipality of Acuña, Coahuila	\$12,000	Municipio de Acuña, Coahuila	Biól. Carlos Alejandro Flores Diego, Director of Ecology, floresdiegocarlos@yahoo.com.mx	Continue collecting tons of waste.	A regulatory framework regulates management and a program is underway for storage, but infrastructure is required for final disposal. The municipio created a certification program for auto body shops and generators that manage scrap tires, which requires these establishments to cut the tires in three pieces to properly dispose them, and maintain their operating license. To date more than 58,000 tires were collected, mitigating about 95% of vectors. The project is in progress.

3.1.08	<p>Disposal of Used Electronic and Hazardous Waste</p> <p>Create a storage center for the special management of waste, in which small generators can adequately dispose of items according to norms.</p>	Municipality of Acuña, Coahuila	\$12,500	Municipality of Acuña, Coahuila	<p>Biól. Carlos Alejandro Flores Diego, Director de Ecología, floresdiegocarlos@yahoo.com.mx</p>	Continue collecting and disposing of electronic and hazardous waste.	<p>The regulatory framework was approved by the city council as well as changes to municipal environmental regulations regarding an approval for an operating license for six months and certification of training workshops. To date 29 tons of waste have been collected. The program is carried out in coordination with SEMA.</p> <p>The municipio made an agreement with Promotora Ambiental (PASA)—a waste services provider-- to pick up hazardous and electronic waste from generators in the community. PASA ships the waste to a storage facility in Piedras Negras and to a refinery for final disposal.</p>
3.1.09	<p>Let's Clean it Up and Green it Up</p> <p>Reduce littering and illegal dumping in all areas of the city, and improve the overall aesthetics of the city and offer viable solid waste disposal options for residents.</p>	City of Pharr	\$36,390	Border 2020	<p>Grace Gonzalez, Pharr Public Works Department, grace.gonzales@pharr-tx.gov</p>	Offer more solid waste, recyclables and tire disposal events. Install convenient recycling drop off areas. Improve existing residential tire tagging system.	<p>The project conducted various stormwater management and recycling workshops that reached students and residents, Social media and public service announcements were used to promote recycling and storm water activities. City of Pharr made a significant impact in the community by helping to reduce illegal dumping and encourage residents to properly dispose waste.</p>

3.1.10	<p>Electronic Waste Recycling</p> <p>Develop an educational campaign aimed at reducing used electronics by creating an integrated electronic waste recycling program and promoting sustainable practices.</p>	Grupo Ecológico Green Tec-Osos del Instituto Tecnológico de Piedras Negras	\$36,054	Border 2020	Ing. Víctor Ibarra, Instituto Tecnológico de Piedras Negras, ing_victor_m@prodigy.net.mx	Conduct workshops and campaigns at schools and public events on used electronics.	<p>Public events on used electronics were conducted in Piedras Negras, resulting in the collection of more than 15 tons in the collection centers that were installed by the municipio.</p> <p>The Technological Institute of Piedras Negras organized workshops and awareness campaigns on used electronics in more than 16 schools in Piedras Negras and Eagle Pass, training more than 103,500 residents on the proper management of used electronics, which resulted in the collection of more than 61 tons. The project ended in June.</p>
3.1.11	<p>United for Reynosa</p> <p>Scrap tires program in Reynosa</p>	SEDUMA, Municipality of Reynosa, Tamaulipas.	Tamaulipas State Budget	SEDUMA	Ing. Celestino Alanís, SEDUMA Celestino.alanis@tamauipas.gob.mx	Reduction of scrap tires in the municipality of Reynosa to be used as filling material in asphalt, gardens, public spaces or to sell to the public of the shredded material .	<p>Tire crusher installed in the Municipality of Reynosa.</p> <p>Destruction of 4,000 scrap tires giving an equivalent of 36 tons of crushed rims.</p>
3.1.12	<p>United by Reynosa,</p> <p>Sports Venues Reforestation Program</p>	SEDUMA, Municipality of Reynosa, Tamaulipas.	Tamaulipas State Budget	SEDUMA	Ing. Celestino Alanís, SEDUMA Celestino.alanis@tamauipas.gob.mx	Reforestation of public spaces, is considered the planting of 2000 trees in sports parks.	Established within the actions of Reynosa's plan the planting of 200 trees.

Promote Cross-Cutting Efforts Related to Environmental Health & Environmental Education

Project N°	Project Title Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact(s)	Objective 2017-2018	Progress Towards Target
Projects potentially related to some <u>combination</u> of air quality, water quality, water conservation, or waste management							
6.0.01	Strengthening School Networks and Global Climate Change Surveillance “Casa de Tierra”	SEDUMA, Municipal Government of Reynosa	\$ 66 Million	Gobierno del Estado de Tamaulipas, SEMARNAT	Celestino Alanís, SEDUMA	Build, equip, and operate a “Casa de Tierra” in Nuevo Laredo.	Budget management for Casas de la Tierra in Nuevo Laredo and Matamoros
6.0.02	Environmental Education and Legislative Action Reforms Improve the implementation of environmental legislative reforms by exchanging information on environmental education and enforcement regulations that will improve air quality, environmental compliance and solid waste management in Laredo and Nuevo Laredo.	Universidad Autónoma de Tamaulipas, Facultad de Comercio, Administración y Ciencias Sociales de Nuevo Laredo	\$11,000	Border 2020	Dr. Juan Herrera Izaguirre, Universidad Autónoma de Tamaulipas, 0115286719-42-50 jaherrera@uat.edu.mx	Update Nuevo Laredo’s environmental regulations in accordance with state and federal regulations. Organize a conference about the role of inspectors, their administrative duties and how it relates to the environment.	Training was held for staff in the Environment and Climate Change Division regarding environmental legislation, the protection of water and recycling. The sessions expanded on topics related to federal, state, and municipal law. Similarly, they learned to identify the jurisdiction in the three areas mentioned above. A conference was held about the role of inspectors, their administrative duties and how it relates to the environment. As a result of these workshops staff trained more than 1,000 people on water conservation, grease waste

							management and the effects of climate change. Additionally, staff drafted and delivered nine environmental regulations to Nuevo Laredo and four other municipalities in the state. The project ended in June.
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