The North American Development Bank (NADB) provides financing and other support for infrastructure projects that enhance the environmental condition of the U.S.-Mexico border region. NADB works closely with border communities, state agencies and other entities to develop and finance affordable, self-sustaining projects with broad community support. Each project must pass through a public participation and certification process to be eligible for financing from NADB.

During the second quarter of 2021, NADB had 39 active projects in various stages of project implementation.¹ A total of US$437.2 million in loans and grants has been contracted to help finance those projects, and approximately 69% of those funds have already been disbursed to project sponsors. Six projects completed construction and/or financing activity during the period, leaving 33 active projects at the end of the quarter. A breakdown of NADB financing by program for the active projects is shown in the table below.

<table>
<thead>
<tr>
<th>Funding Programs</th>
<th>Active Projects per Program*</th>
<th>Financing Contracted for Active Projects</th>
<th>Pending Disbursement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loan Program</td>
<td>14</td>
<td>$361,058,128</td>
<td>$105,204,630</td>
</tr>
<tr>
<td>Community Assistance Program (CAP)**</td>
<td>6</td>
<td>$2,700,000</td>
<td>$1,924,746</td>
</tr>
<tr>
<td>Border Environment Infrastructure Fund (BEIF)***</td>
<td>20</td>
<td>$73,425,500</td>
<td>$27,537,291</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>$437,183,628</strong></td>
<td><strong>$134,666,667</strong></td>
</tr>
</tbody>
</table>

¹ Some projects have both a loan and a grant. Likewise, a loan or grant may cover more than one project.
** This program funded by NADB offers grant financing for the implementation of critical environmental infrastructure projects in low-income communities.
*** This program funded by EPA and administered by NADB offers grant financing for the implementation of municipal drinking water and wastewater infrastructure projects.

To date, NADB has contracted a cumulative total of more than US$3.4 billion in loans and grants to help finance 281 certified projects estimated to cost a total of US$10.5 billion to implement. Of the financing contracted, 96% has been disbursed to project sponsors for the implementation of 271 projects. Of the 281 projects financed by the Bank, 247 have completed construction and financing activity (except for the amortization of loans) and/or have otherwise been closed.

The implementation status of NADB-funded active projects is presented in the following pages.
### Agua Prieta, Sonora, Mexico

**Replacement of the Main Outfall in the Wastewater Collection System**

<table>
<thead>
<tr>
<th>Type</th>
<th>Wastewater</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Cost</td>
<td>US $1,064,975</td>
</tr>
<tr>
<td>Total NADB Funding</td>
<td>US $500,000</td>
</tr>
<tr>
<td>Certification Date</td>
<td>11/12/20</td>
</tr>
<tr>
<td>Residents to Benefit</td>
<td>96,000</td>
</tr>
</tbody>
</table>

**Description**

Rehabilitation of a section of the main outfall.

**Community Benefits**

Improved system reliability by reducing the risk of line breaks that could cause sewage spills onto local streets and into the Agua Prieta River. Specifically, the project will help protect public health and the environment by preventing approximately 5.4 million gallons a day (mgd) of wastewater discharges.

**NADB Participation**

The Bank is a source of grant funds through the Community Assistance Program (CAP) to complement Mexican federal funding and capital investments from the local water utility (OOMAPAS-Agua Prieta). On November 12, 2020, the Bank approved a CAP grant for up to US$500,000 for project implementation. The corresponding grant agreement was signed on February 23, 2021.

**Implementation Status**

Project construction activities have been divided into two sections. The North section (3,838 ft) was completed with Mexican funding in December 2020. Procurement for construction of the South section (4,127 ft) began in May 2021, with contract award expected in July 2021.

### Anthony, New Mexico, USA

**Anthony Lift Station Replacement Project**

<table>
<thead>
<tr>
<th>Type</th>
<th>Wastewater</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Cost</td>
<td>US $4,982,159</td>
</tr>
<tr>
<td>Total NADB Funding</td>
<td>US $3,371,937</td>
</tr>
<tr>
<td>Certification Date</td>
<td>5/6/16</td>
</tr>
<tr>
<td>Residents to Benefit</td>
<td>8,700</td>
</tr>
</tbody>
</table>

**Description**

Replacement of the Sonic Lift Station, including construction of a force main and gravity line, to convey wastewater to the Anthony Wastewater Treatment Plant.

**Community Benefits**

Elimination of the risk of sewage overflows in populated areas surrounding the existing lift station. Increased flow capacity and operational efficiency reducing energy consumption and operation and maintenance costs.

**NADB Participation**

The Bank is a source of grant funds through the Border Environment Infrastructure Fund (BEIF). On February 29, 2016, EPA approved the Bank’s recommendation to provide US$2.81 million in BEIF construction assistance for this project. The corresponding grant agreement was signed on June 17, 2016. Disbursements began in October 2018. On December 31, 2019, EPA approved an additional US$580,000 in BEIF funds to cover increased construction costs based on actual procurement results, bringing total BEIF participation in this project to US$3.39 million. The grant agreement was amended to include the additional funding and was signed on March 6, 2020. The final disbursement occurred on September 22, 2020, leaving an unused balance of US$19,463. The unused funds were deobligated on June 30, 2021, reducing Bank participation to US$3.37 million.

**Implementation Status**

Bidding for construction of the lift station began in April 2017; however, the bids received exceeded available funding. A new bidding process began in March 2018, and the contract was awarded in July 2018. Construction of the force main was completed in November 2018. Construction of the gravity line was completed in December 2019. Testing of the new lift station was completed in June 2020, thus completing the entire certified project.
**Camargo, Tamaulipas, Mexico**

Wastewater Collection and Treatment Project

<table>
<thead>
<tr>
<th>Type:</th>
<th>Wastewater</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Cost:</td>
<td>US $3,428,333</td>
</tr>
<tr>
<td>Total NADB Funding:</td>
<td>US $2,531,363</td>
</tr>
<tr>
<td>Certification Date:</td>
<td>6 / 19 / 18</td>
</tr>
<tr>
<td>Residents to Benefit:</td>
<td>8,819</td>
</tr>
</tbody>
</table>

**DESCRIPTION**

Construction of a wastewater treatment plant (WWTP) with a capacity of 0.57 mgd; replacement of a lift station, collector and sewer main; and expansion of the wastewater collection system to unserved areas of La Mision and El Sauz subdivisions, including the installation of residential connections and decommissioning of on-site disposal systems.

**Community Benefits**

Provision of first-time wastewater collection services to 347 homes, thus reducing the potential for groundwater contamination associated with the use of inadequate on-site disposal systems. Improved treatment facilities will produce better quality effluent that complies with federal standards for agricultural use.

**NADB PARTICIPATION**

The Bank is a source of grant funds through the BEIF, to complement federal, state and local funding. On June 21, 2018, EPA approved the Bank’s recommendation to provide US$2.53 million in BEIF funds for construction of the project. The corresponding grant agreement was signed on February 27, 2019. The initial disbursement occurred in June 2019.

**IMPLEMENTATION STATUS**

Construction of the sewer main, the lift station and force main in La Mision and the sewer systems in El Sauz and La Mision subdivisions, along with 186 residential connections in El Sauz, was completed with Mexican funding between April 2012 and February 2017.

Construction of the BEIF-funded components, including construction of the WWTP, replacement of a lift station and force main and installation of hookups in the La Misión subdivision, began in June 2019 and is approximately 98% complete.
Chihuahua, Chihuahua, Mexico
Rehabilitation and Upgrade of the North and South Wastewater Treatment Plants

Rehabilitation and upgrade of the North and South Wastewater Treatment Plants (WWTPs), as well as designing, installing and operating a cogeneration facility in the South WWTP.

Community Benefits
Improvements to the treatment processes will help ensure that the WWTPs continue to comply with federal standards, as well as produce 33% less sludge, reducing the volume from approximately 85,932 yds³/year to approximately 57,288 yds³/year. The quality of the effluent produced by the plants will also be more consistent and reliable, which will support increased demand for treated water for reuse for irrigation and industrial purposes. By using the biogas from the sludge to generate electricity, the utility expects to supply close to 71% of the electricity required to operate the South WWTP, which will offset energy consumed from the public grid and thus help prevent the emission of 9,583 metric tons/year of carbon dioxide (CO₂), among other pollutants. Additionally, replacing the disinfection systems in both plants will eliminate the risk associated with handling chlorine gas.

The Bank is a direct lender to complement equity contributions from Aguas de Reúso y Energía Renovable, S.A. de C.V. (ARERSA), the private concessionaire under a build-operate-transfer (BOT) agreement. On November 14, 2019, the Bank approved a peso-denominated, market-rate loan for US$11.26 million to cover approximately 76% of the project costs. The corresponding loan agreement was signed with ARERSA on December 16, 2019. Loan disbursements began in November 2020.

The project is being constructed under a BOT agreement. Construction began in March 2020 but was suspended due to the COVID-19 pandemic. Work was reintiated in September 2020 and is approximately 80% complete.

Ciudad Acuña, Coahuila, Mexico
Storm Water Infrastructure Improvements

Improvements to the Santa Martha and La Misión stormwater channels.

Community Benefits
Improved capacity of the stormwater channels to withstand storm events with a 100-year and 200-year return periods, respectively, reducing the risk of flooding and stagnant water, thus protecting the environment and human health in the community and surrounding areas. The project will also protect a critical sewer force main, which due to erosion in both channels, is vulnerable to collapse, thereby reducing the risk of direct discharges of approximately 11.4 million gallons a day of untreated wastewater into the Rio Grande River.

The Bank is a source of grant funds through the CAP, which complements funding from the Municipality of Acuña. On November 14, 2019, the Bank approved a CAP grant for up to US$500,000 to support project implementation. The corresponding grant agreement was signed on April 22, 2020, and disbursements began in October of the same year.

Construction of the stormwater infrastructure improvements began in March 2021 and is approximately 42% complete.
### Douglas, Arizona, USA

**Bay Acres Wastewater Collection System and Wastewater Treatment Plant Expansion**

<table>
<thead>
<tr>
<th>Type</th>
<th>Wastewater</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Cost</td>
<td>US $19,843,403</td>
</tr>
<tr>
<td>Total NADB Funding</td>
<td>US $7,590,697</td>
</tr>
<tr>
<td>Certification Date</td>
<td>11 / 17 / 16</td>
</tr>
<tr>
<td>Residents to Benefit</td>
<td>17,378</td>
</tr>
</tbody>
</table>

**Description**

Construction of a new wastewater collection system, including the installation of residential connections and the decommissioning of septic tanks, as well as upgrades to and expansion of the wastewater treatment plant from 2.0 million to 2.6 million gallons a day (gpd).

**Community Benefits**

Provision of first-time wastewater collection and treatment services for the entire neighborhood. Reduction of environmental and health hazards associated with inadequate on-site wastewater treatment systems, thus providing a cleaner, healthier environment for local residents. Specifically, an estimated 96,000 gpd of sewage will be collected and treated through the new system.

**NADB Participation**

The Bank is a source of grant funds through the BEIF, to complement a loan from the Water Infrastructure Finance Authority of Arizona (WIFA) and a grant from the U.S. Department of Agriculture Rural Development (USDA-RD). On November 17, 2016, EPA approved the Bank’s recommendation to provide US$7.48 million in BEIF construction assistance for the project. The corresponding grant agreement was signed on April 19, 2017. The first BEIF disbursement occurred in June 2018. On May 18, 2020, EPA approved an additional US$115,000 in BEIF funds to cover increased costs related to the WWTP, bringing total BEIF participation in this project to US$7.59 million. The amended grant agreement was signed on June 18, 2020. The final BEIF disbursement was made on September 2, 2020.

**Implementation Status**

Bidding for wastewater treatment plant upgrades began in September 2017. The bids received exceeded available funding, so the City obtained additional funding from WIFA. Construction of the treatment plant upgrades began in April 2018 and were completed in July 2020.

Construction of the Bay Acres wastewater collection system began in January 2020 and was completed in June 2021, thus completing the entire certified project.

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### Gustavo Diaz Ordaz, Tamaulipas, Mexico

**Wastewater Collection and Treatment Project**

<table>
<thead>
<tr>
<th>Type</th>
<th>Wastewater</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Cost</td>
<td>US $8,550,000</td>
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<tr>
<td>Total NADB Funding</td>
<td>US $4,510,000</td>
</tr>
<tr>
<td>Certification Date</td>
<td>5 / 30 / 19</td>
</tr>
<tr>
<td>Residents to Benefit</td>
<td>12,354</td>
</tr>
</tbody>
</table>

**Description**

Expansion and rehabilitation of the wastewater collection and treatment system, including construction of a wastewater treatment plant (WWTP) and decommissioning of the existing lagoon treatment system and residential on-site wastewater disposal systems.

**Community Benefits**

Improvement and provision of first-time wastewater collection services to 2,644 homes will reduce the potential for groundwater contamination and the risk of waterborne diseases. Specifically, the project will eliminate an estimated 570,672 gallons per day of wastewater.

**NADB Participation**

The Bank is a source of grant funds through the BEIF, to complement federal, state and local funding. On May 29, 2019, EPA approved the Bank’s recommendation to provide up to US$4.51 million in BEIF funding for construction and construction management services. The corresponding grant agreement was signed on December 12, 2019. BEIF disbursements began in May 2020.

**Implementation Status**

Work to expand the wastewater system with Mexican funds began in 2017 and is ongoing. Construction of the Bank-funded components, including the WWTP, a force main, a lift station and residential hookups began in July 2020 and is approximately 59% complete.
### Jim Hogg County, Texas

**Water Treatment Plant Replacement and Water Meter Upgrades**

<table>
<thead>
<tr>
<th>Type</th>
<th>Water</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Cost:</strong></td>
<td>US $4,260,000</td>
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<tr>
<td><strong>Total NADB Funding:</strong></td>
<td>US $4,260,000</td>
</tr>
<tr>
<td><strong>Certification Date:</strong></td>
<td>11 / 12 / 20</td>
</tr>
<tr>
<td><strong>Residents to Benefit:</strong></td>
<td>4,558</td>
</tr>
</tbody>
</table>

**DESCRIPTION**

Construction of a reverse osmosis water plant with the capacity to treat up to 1 mgd and replacement of 1,813 water meters.

**Community Benefits**

- Increased water treatment capacity, from 0.73 to 1.73 mgd, thus providing the necessary flows to meet peak demand and comply with state requirements regarding minimum capacity and redundancy, as well as ensuring adequate water quality and reducing human health risks associated with waterborne diseases, especially those related to excess arsenic and total dissolved solids. Better operational efficiency by providing a more energy efficient treatment process and better water supply control through improved metering. Improved metering will also ensure proper water billing while reducing unaccounted water losses.

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### Loma Blanca, Chihuahua, Mexico

**Wastewater Collection Project**

<table>
<thead>
<tr>
<th>Type</th>
<th>Wastewater</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Cost:</strong></td>
<td>US$ 1,499,021</td>
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<tr>
<td><strong>Total NADB Funding:</strong></td>
<td>US $439,720</td>
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<tr>
<td><strong>Certification Date:</strong></td>
<td>11 / 9 / 17</td>
</tr>
<tr>
<td><strong>Residents to Benefit:</strong></td>
<td>4,993</td>
</tr>
</tbody>
</table>

**DESCRIPTION**

Construction of two collectors and installation of a sewer system, including residential connections and the decommissioning of existing on-site wastewater disposal systems.

**Community Benefits**

- Provision of first-time wastewater collection and treatment services to 100% of the community, which is expected to collect approximately 205,440 gallons per day of wastewater and thus reduce the health risks associated with uncontrolled wastewater discharges and inadequate on-site wastewater disposal systems.

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The Bank is a direct lender to Jim Hogg County Water Control Improvement District No. 2 (JHWCID2). On November 12, 2020, the Bank approved a market-rate loan for up to US$4.26 million to be made in the form of municipal revenue bonds. On December 17, 2020, the Bank purchased an initial US$4.05 million in revenue bonds.

The replacement of the water meters began in April 2021 and is approximately 93% complete. Construction of the water treatment plant is expected to begin in September 2021.

Construction on the sewer system began with Mexican funds in 2013. Both collectors and 92% of the wastewater collection system were completed with Mexican funds. Construction of the remaining sewer system infrastructure and 635 residential sewer connections funded by the Bank, began in September 2019 and was completed in June 2020, thus completing the entire certified project.
**Magdalena de Kino, Sonora, Mexico**

**Drinking Water System Improvements**

**Type:** Water  
**Total Cost:** US $3,203,844  
**Total NADB Funding:** US $500,000  
**Certification Date:** 11 / 4 / 19  
**Residents to Benefit:** 12,187

**PROJECT DESCRIPTION**

Creation of three hydrometric sectors in the areas known as San Isidro, Fátima and El Polvorín, including construction of three transmission lines, replacement of distribution lines and connections and installation of meters.

**Community Benefits**

Elimination of leaks in the distribution system and more reliable water service by regulating pressure and introducing redundancy in the system. These improvements are expected to reduce water losses, saving approximately 264 million gallons per year, as well as help prevent the risk of cross-contamination from leaks and stagnant water in the lines, thereby improving health conditions for residents in the San Isidro, Fátima and El Polvorín sectors of the city.

**NADB PARTICIPATION**

The Bank is a source of grant funds through the CAP, which complements federal and state grants. On November 14, 2019, the Bank approved a CAP grant for up to US$500,000 to support project implementation. The corresponding grant agreement was signed on April 15, 2020.

**IMPLEMENTATION STATUS**

Construction was divided into two phases. Construction of phase 1 components financed with Mexican funds, including the replacement of distribution lines and connections in all three sectors, as well as installation of a portion of the residential meters, began in September 2019 and was completed in May 2020.

Under the second phase, construction of the transmission lines to the three elevated storage tanks was completed in October 2020. Bidding for system improvements supported by NADB funds, which includes the purchase of equipment and the installation of master meters and telemetry systems, is expected to begin in the third quarter of 2021.

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**Marathon, Texas, USA**

**Wastewater Infrastructure Project**

**Type:** Wastewater  
**Total Cost:** US $2,129,431  
**Total NADB Funding:** US $2,129,431  
**Certification Date:** 11 / 9 / 17  
**Residents to Benefit:** 546

**PROJECT DESCRIPTION**

Replacement of a portion of the collector main that conveys wastewater to the treatment plant, as well as decommissioning of a lift station and installation of nine sewer connections.

**Community Benefits**

Prevention of line breaks, wastewater spills and sewage backups, reducing the risk of water pollution and waterborne diseases. Provision of first-time wastewater collection and treatment services to nine homes, which will collect an estimated 2,000 gpd of wastewater.

**NADB PARTICIPATION**

The Bank is a source of grant funds through the BEIF. On November 7, 2018, EPA approved the Bank's recommendation to provide US$1.55 million in BEIF construction assistance for the project. The corresponding grant agreement was signed on May 21, 2018. The initial disbursement occurred in January 2019. On October 3, 2019, EPA approved an additional US$650,000 in BEIF funds to cover increased costs based on actual procurement results, bringing total BEIF participation in this project to US$2.20 million. The amended grant agreement was signed on November 18, 2019. The final disbursement occurred on May 11, 2021, leaving an unused balance of US$72,069. The unused funds were deobligated on June 30, 2021, reducing Bank participation to US$2.13 million.

**IMPLEMENTATION STATUS**

Bidding for construction of the collector main began in June 2018; however, the bids received exceeded available funding. Working with the lowest evaluated responsive bidder, the sponsor has made slight modifications to the scope of work to reduce costs and also obtained additional BEIF funds from EPA. Construction began in November 2018 and was completed in June 2020.
### PROJECT

**Mexicali, Baja California, Mexico**

**Wastewater Collection System (Phase I) and Lift Station Improvements**

<table>
<thead>
<tr>
<th>Type</th>
<th>Wastewater</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Cost</td>
<td>US $6,776,540</td>
</tr>
<tr>
<td>Total NADB Funding</td>
<td>US $3,387,667</td>
</tr>
<tr>
<td>Certification Date</td>
<td>5 / 21 / 20</td>
</tr>
<tr>
<td>Residents to Benefit</td>
<td>557,000</td>
</tr>
</tbody>
</table>

**DESCRIPTION**

Replacement of approximately 7.3 miles of pipeline in the wastewater collection system and rehabilitation of Lift Stations No. 2, 4 and 5.

**Community Benefits**

Reduced risk of pipeline failures that can cause sewage overflows onto local streets and into the New River, which flows northward into the United States. Specifically, the project will help protect public health and the environment by preventing approximately 33.1 mgd of wastewater discharges.

**NADB PARTICIPATION**

The Bank is a source of grant funds through the BEIF to complement Mexican federal, state and municipal funding. On May 19, 2020, EPA approved the Bank's recommendation to provide US$3.39 million in BEIF construction assistance for the project. The corresponding grant agreement was signed on October 8, 2020. Disbursements began in May 2021.

**IMPLEMENTATION STATUS**

Construction began in December 2019 with Mexican funds. At the end of 2020, the rehabilitation of Lift Station No. 2 and of 0.4 miles of wastewater lines in three subdivisions had been completed. The pumping equipment for Lift Station No. 4 had also been purchased. Construction of 2.6 miles of wastewater lines in the San Marcos, Centro Cívico and Santa Clara subdivisions financed with Mexican funds began in February 2021 and is approximately 70% complete. Construction of improvements to Lift Station 4 funded by the Bank began in June 2021. Bidding for construction of 1.5 miles of wastewater lines in the Las Fuentes, Los Pinos, Residencias, Alamitos and Justo Sierra subdivisions funded by the Bank began in May 2021, with contract award expected in July.

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**Project**: Wastewater Collection System (Phase I) and Lift Station Improvements  
**Location**: Mexicali, Baja California, Mexico  
**Type**: Wastewater  
**Total Cost**: US $6,776,540  
**Total NADB Funding**: US $3,387,667  
**Certification Date**: 5 / 21 / 20  
**Residents to Benefit**: 557,000

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**Mexicali, Baja California, Mexico**

**Rehabilitation of Small Lift Stations**

<table>
<thead>
<tr>
<th>Type</th>
<th>Wastewater</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Cost</td>
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</tr>
<tr>
<td>Total NADB Funding</td>
<td>US $2,055,770</td>
</tr>
<tr>
<td>Certification Date</td>
<td>8 / 21 / 20</td>
</tr>
<tr>
<td>Residents to Benefit</td>
<td>146,000</td>
</tr>
</tbody>
</table>

**DESCRIPTION**


**Community Benefits**

Provision of adequate infrastructure to safely convey wastewater flows to the existing treatment plants. Reduced risk of pump failures, preventing sewage overflows onto local streets and into the New River, which flows northward into the United States. Specifically, the project will help protect public health and the environment by preventing approximately 8.7 mgd of wastewater discharges.

**NADB PARTICIPATION**

The Bank is a source of grant funds through the BEIF to complement Mexican federal, state and municipal funding. On August 20, 2020, EPA approved the Bank's recommendation to provide US$2.06 million in BEIF construction assistance to support rehabilitation of five of the lift stations. The corresponding grant agreement was signed on December 18, 2020.

**IMPLEMENTATION STATUS**

Rehabilitation of the Calle G and Centro Cívico Lift Stations financed with Mexican funds began in February 2021 and are approximately 57% and 67% complete, respectively. Bidding for the rehabilitation of three additional lift stations, Aurora, Campestre and Hidalgo, to be funded by NADB, is expected to begin in July 2021.
<table>
<thead>
<tr>
<th>PROJECT</th>
<th>DESCRIPTION</th>
<th>NADB PARTICIPATION</th>
<th>IMPLEMENTATION STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mexican Border Region</strong></td>
<td>Financing program to support the purchase of low-emission buses manufactured by DINA Camiones, S.A. de C.V. (Dina) within the 300-km border region in Mexico, in which the Bank operates. <strong>Community Benefits</strong> Use of new diesel buses that at a minimum comply with EPA 2004 standards will lower nitrogen oxides (NOx) and hydrocarbons (HC) emissions by approx. 50% and will achieve nearly 24% lower carbon dioxide (CO2) emissions. The reduction in criteria pollutant emissions is even higher for compressed natural gas-fueled vehicles that comply with EPA 2013 emission standards. <strong>The Bank is participating as a direct lender to Mercader Financial, S.A., SOFOM, E.R., a captive finance company and affiliate of Dina.</strong> On June 24, 2014, the Bank approved a market-rate loan in the form of a revolving line of credit for up to $120 million pesos to cover approximately 80% of the financing costs. The corresponding loan agreement was signed on September 30, 2014, and the first disbursement occurred in October 2015. The initial $120.0 million pesos were fully disbursed as of April 2016, for the equivalent of US$7.04 million. However, due to the revolving nature of the line of credit, Mercader can make monthly payments and have those funds available for draw down again when certain conditions are met during the disbursement period, which ends in October 2025. To date, a total of US$10.91 million has been disbursed through the credit line.</td>
<td>During the last quarter of 2015, a total of 33 buses were financed through the program by two public transportation companies. A company in Hermosillo, Sonora obtained 30 diesel buses to replace part of its existing fleet, while another company in Tijuana, Baja California, purchased three diesel buses to expand its fleet. In April 2016, a company in Ciudad Juarez, Chihuahua obtained 25 buses fueled by compressed natural gas (CNG) to replace part of its existing fleet. In November 2017, two companies in Guadalupe, Nuevo Leon obtained 10 CNG buses and 8 diesel buses. In August 2018, a total of 21 diesel buses were financed by a public transportation company in Guadalupe, N.L. In March 2019, a total of 10 diesel buses were financed by two public transportation companies in two municipalities in the metropolitan area of Monterrey, N.L. To date, a total of 107 buses have been financed through the program.</td>
<td><strong>Mexican Border Region</strong></td>
</tr>
<tr>
<td>PROJECT</td>
<td>DESCRIPTION</td>
<td>NADB PARTICIPATION</td>
<td>IMPLEMENTATION STATUS</td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
<td>--------------------</td>
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</tr>
<tr>
<td><strong>Mexican Border Region</strong>&lt;br&gt;Value Arrendadora Border-wide Vehicle Program for Public Transportation in Mexico</td>
<td>Program to lease or finance up to 223 vehicles with cleaner technologies for public and private personnel transportation services within the Mexican border region. <strong>Community Benefits</strong>&lt;br&gt;Improved public transportation systems by providing access to new vehicles that offer a comfortable, safe and rapid transportation option. Improved air quality as the new vehicles produce less greenhouse gases than older models. Specifically, the use of 223 new vehicles is expected to lower NOx emissions by approximately 48 metric tons/year; carbon dioxide (CO\textsubscript{2}) emissions by 1,756 metric tons/year; and particulate matter with a diameter of 2.5 micrometers or less (PM\textsubscript{2.5}) by 0.6 metric tons/year. The Bank is participating as a direct lender to Value Arrendadora, S.A. de C.V., SOFOM, E.R., Value Grupo Financiero, a Mexican multipurpose financial institution. On June 26, 2020, the Bank approved a market-rate loan for up to $521.3 million pesos to cover approximately 85% of the cost of the new vehicles. A loan agreement for $155.4 million pesos (US$6.95 million) was signed on July 16, 2020 for the first phase of the program, and the loan proceeds were fully disbursed the same month.</td>
<td>The program will offer vehicles in two phases. The first phase was implemented in July 2020, with Value leasing 63 natural gas vehicles to the State Government of Nuevo Leon to be used for public transportation in the metropolitan area of Monterrey.</td>
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<tr>
<td><strong>Mina, Nuevo Leon, Mexico</strong>&lt;br&gt;El Mezquite Wind Energy Project</td>
<td>Construction of a 250-MW wind farm with 100 wind turbines, as well as two substations and transmission line, on privately-owned rural land located about 37 miles northwest of the urban area of Monterrey. <strong>Community Benefits</strong>&lt;br&gt;Reduced demand for traditional fossil-fuel based energy generation resulting in less greenhouse gas emissions, thus improving air quality, while providing a safe and reliable energy alternative. Specifically, the project is expected to help prevent the emission of an estimated 428,787 metric tons/year of carbon dioxide (CO\textsubscript{2}) and 1,175 metric tons/year of nitrogen oxides (NO\textsubscript{x}), as well as other pollutants. The Bank is a direct lender to the project company, Parque Eólico El Mezquite, S.A.P.I. de C.V., which has signed power purchase agreements with a subsidiary of the Mexican federal electricity utility, Comision Federal de Electricidad (CFE). On June 27, 2017, the Bank approved a market-rate loan for up to US$105.00 million for construction of the project. A loan agreement for US$74.10 million was contracted on September 1, 2017, and the initial disbursement occurred in October of the same year. With project construction almost complete, NADB cancelled the unsigned portion of its loan commitment for this project, which totaled US$30.90 million, reducing its participation in the project to US$74.10 million. The final disbursement for project construction occurred on May 23, 2019, leaving an unused balance of US$103,320. The amount disbursed totaled US$74.00 million.</td>
<td>Construction of the wind farm began in October 2017 and was completed in June 2019. Commercial operations began on June 28, 2019.</td>
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<tr>
<td>PROJECT</td>
<td>DESCRIPTION</td>
<td>NADB PARTICIPATION</td>
<td>IMPLEMENTATION STATUS</td>
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<tr>
<td>Nogales, Arizona, USA</td>
<td>Replacement of a section of a wastewater force main below Potrero Creek and pump station improvements. <strong>Community Benefits</strong> Elimination of the risk of line breaks, preventing approximately 84,000 gallons per day of untreated wastewater discharges to Potrero Creek. Better management of pumping equipment and energy efficiency, reducing operation and maintenance costs.</td>
<td>The Bank is a source of grant funds through the CAP, to complement funding from the City. On November 8, 2018, the Bank approved a CAP grant for up to US$450,000 for project construction. The corresponding grant agreement was signed on July 10, 2019. The initial disbursement occurred in December 2020.</td>
<td>Construction of the force main began in May 2020 and was completed in November 2020.</td>
</tr>
<tr>
<td>Peña Blanca Wastewater System Improvements at Potrero Creek</td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Type:</strong> Wastewater</td>
<td><strong>Total Cost:</strong> US $713,422</td>
<td><strong>Total NADB Funding:</strong> US $450,000</td>
<td><strong>Certification Date:</strong> 11 / 8 / 18</td>
</tr>
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| Nogales, Sonora, Mexico | Expansion of the water distribution and wastewater collection systems to unserved areas of the Flores Magón, Las Torres, Luis D. Colosio, El Rastro, Las Primaveras, and Jardines de la Montaña subdivisions, including installation of residential connections. **Community Benefits** Provision of first-time wastewater collection and treatment services, reducing the potential for groundwater and surface water contamination by eliminating the use of cesspools and direct discharges of untreated sewage into yards and streets, thus providing a cleaner, healthier environment for local residents. Specifically, an estimated 0.93 million gallons a day of wastewater will be collected and treated. Provision of drinking water service for households currently not connected to the distribution system. | The Bank is a source of grant funds through the BEIF to complement federal, state and municipal funding. On November 9, 2016, EPA approved the Bank’s recommendation to provide US$5.26 million in BEIF funds for the construction of the project, and the corresponding grant agreement was signed on July 10, 2017. The initial disbursement was made in February 2018. | Phase 1 wastewater lines were completed with Mexican funding in December 2016. Construction of the Collector Tecnológico funded by the Bank was completed in August 2018. Phase 2 and 3 wastewater lines were completed in April 2020. Installation of remaining Phase 2 & 3 residential connections began in June 2020 and was completed in February 2021; however, the contract was extended to connect four laterals to the new Collector Tecnológico, with the work expected to be completed in August 2021. Construction of Phase 4 wastewater lines and residential connections began in July 2020 and is approximately 85% complete. Bidding for improvements the Estadio Lift Station is scheduled to begin in August 2021. |

| Expansion of the Water and Wastewater Systems to the Southwest Area of Nogales, Sonora | | | |
| **Type:** Water / wastewater | **Total Cost:** US $10,483,888 | **Total NADB Funding:** US $5,259,444 | **Certification Date:** 11 / 17 / 16 | **Residents to Benefit:** 16,701 |

<p>| Expansion of the Water and Wastewater System Improvements at Potrero Creek | | | |
| <strong>Type:</strong> Wastewater | <strong>Total Cost:</strong> US $713,422 | <strong>Total NADB Funding:</strong> US $450,000 | <strong>Certification Date:</strong> 11 / 8 / 18 | <strong>Residents to Benefit:</strong> 1,262 |</p>
<table>
<thead>
<tr>
<th>PROJECT</th>
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<th>NADB PARTICIPATION</th>
<th>IMPLEMENTATION STATUS</th>
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</thead>
</table>
| **Nueva Ciudad Guerrero, Tamaulipas, Mexico**  
Wastewater Collection and Treatment System Improvements | Expansion and rehabilitation of the wastewater collection and treatment system, including construction of a wastewater treatment plant (WWTP) with capacity of 270,000 gallons a day.  
**Community Benefits**  
First-time access to wastewater services for 244 homes in unserved areas of the city, as well as improved service for the rest of the community. Wastewater treatment coverage for 100% of the community and higher quality effluent, which will reduce water pollution and the risk of waterborne diseases. The new plant will also have a methane capture and conversion system to reduce the effects of greenhouse gas emissions. | The Bank is a source of grant funds through the BEIF to complement federal, state and municipal funding. On January 27, 2020, EPA approved the Bank's recommendation to provide US$2.06 million in BEIF funds for the construction of the project, and the corresponding grant agreement was signed on September 15, 2020. | The gravity sewer main connecting the sewer system to the site of the WWTP was installed in 2017 with Mexican funds. Bidding for construction of the BEIF-funded components, including construction of the WWTP, the West sewer main and Phase 2 wastewater collection lines in the western area of the city, is scheduled to begin in the third quarter of 2021. |
| **Palmview, Texas, USA**  
Agua SUD Wastewater Collection and Treatment (East) Project | Construction of wastewater collection and conveyance infrastructure for the City of Palmview and adjoining areas, including installation of sewer hookups and decommissioning of septic tanks.  
**Community Benefits**  
Provision of first-time wastewater collection and treatment services to the community of Palmview and the surrounding area, reducing environmental and health hazards associated with the inadequate disposal of wastewater, thus providing a cleaner and healthier environment for local residents. Specifically, an estimated 900,000 gallons per day of wastewater will be collected and treated. | The Bank is a source of grant funds through the BEIF to complement a state loan and grant. On March 18, 2020, EPA approved the Bank’s recommendation to provide US$6.0 million in BEIF funds for the installation of sewer hookups and decommissioning of septic tanks. The corresponding grant agreement was signed on May 18, 2020. The initial BEIF disbursement occurred in September 2020. | The wastewater collection system, five lift stations and the pressure main to connect the system to the Mission Wastewater Treatment Plant have been completed with state funds. Construction to install 1,847 residential hookups and decommission septic tanks funded by the Bank began in July 2020 and is approximately 46% complete. |

| Type: | Wastewater | |  |
| Total Cost: | US $4,332,000 | |  |
| Total NADB Funding: | US $2,056,000 | |  |
| Certification Date: | 3 / 20 / 20 | |  |
| Residents to Benefit: | 5,209 | |  |

| Type: | Wastewater | |  |
| Total Cost: | US $48,200,000 | |  |
| Total NADB Funding: | US $6,000,000 | |  |
| Certification Date: | 5 / 8 / 14 | |  |
| Residents to Benefit: | 8,183 | |  |
**Playas de Rosarito, Baja California, Mexico**

**Basic Urban Infrastructure Project**

**Type:** Basic urban infrastructure  
**Total Cost:** US $14,558,707  
**Total NADB Funding:** US $13,650,811  
**Certification Date:** 5 / 14 / 15  
**Residents to Benefit:** 90,688

**PROJECT DESCRIPTION**

Paving of approx. 34,518 m² of dirt roads, repaving of approx. 39,676 m² of roads and other roadway improvements, replacement of aging water and wastewater infrastructure, replacement of street lighting equipment and acquisition of maintenance equipment.

**Community Benefits**

Paving works will help improve air quality by reducing vehicular dust caused by traffic on unpaved roads and relieving traffic congestion at peak hours. Specifically, increased paving coverage is expected to prevent the emission of 32.8 metric tons/year of PM₁₀, while better urban mobility will help reduce vehicle emissions, including an estimated 77.43 kg/year of volatile organic compounds, 491 kg/year of carbon monoxide, and 157.54 kg/years of nitrogen oxides. The project will also provide safer roadways for motorists and pedestrians, as well as allow faster access for emergency services. The replacement of streetlamps will help reduce energy consumption by approximately 9.6% a year, which will help prevent the emission of an estimated 33 metric tons/year of carbon dioxide (CO₂). Additionally, the project will contribute to the provision of adequate water and wastewater services.

**NADB PARTICIPATION**

The Bank is a direct lender to complement federal funding in support of the new infrastructure and equipment (est. cost of US$5.11 million), as well as to refinance an existing loan (est. cost of US$12.0 million) to obtain a longer term and better financing conditions, allowing the Municipality to apply part of the savings toward investments in additional infrastructure needs. On May 14, 2015, the Bank approved a peso-denominated, market-rate loan for an estimated US$16.25 million to refinance the existing loan and finance up to 80% of the cost of the new infrastructure works and equipment. On June 9, 2015, a loan agreement for up to US$16.10 million was contracted with the Municipality. On September 1, 2015, the loan was fully disbursed for a total of US$13.65 million: US$9.98 to refinance the existing loan and US$3.67 million to cover part of the cost of the new infrastructure works and equipment.

**IMPLEMENTATION STATUS**

The Municipality has already paved approximately 23,300 m² of roadways. A contract funded by NADB for asphalt street paving (approx. 32,600 m²), including replacement of sewer lines, was completed in June 2016. A second contract funded by NADB for urban revitalization, including concrete street paving (approx. 2,163 m²), sidewalks, public lighting, green areas and replacement of water and sewer lines, was completed in August 2016. A third paving contract (7,912 m²) funded by NADB was completed in September 2017.

Construction under five street paving contracts (approx. 8,994 m²) funded by the Bank began in May 2021 and is expected to be completed in August 2021.
Presidio, Texas, USA
Water System Improvements Project

Type: Water
Total Cost: US $4,500,000
Total NADB Funding: US $4,500,000
Certification Date: 11 / 14 / 19
Residents to Benefit: 4,000

Community Benefits
Improved system sustainability by reducing pressure in the distribution lines, thus eliminating line breaks that can lead to contamination of the water supply and preventing at least 80,000 gallons a day in water losses from the system. Provision of first-time access to drinking water services for 10 households.

The Bank is a source of grant funds through the BEIF, as well as a direct lender. On October 4, 2019, EPA approved the Bank’s recommendation to provide US$3 million in BEIF funding for the construction of the project. On November 14, 2019, the Bank approved a market-rate loan for up to US$800,000 to complete the financial structure of the project. The BEIF grant agreement was signed on March 11, 2020. On August 4, 2020, the Bank approved a US$700,000 loan increase to cover increased costs based on actual procurement results, bringing the total loan for this project to US$1.5 million. The loan was executed in the form of a combination tax and revenue certificate of obligation and fully disbursed, on November 19, 2020. BEIF grant disbursements began in October 2020.

Construction began in September 2020. The new transmission and distribution lines were substantially complete in the first quarter of 2021, pending connection to the remaining works and testing. Construction of the booster station and water storage tank were substantially complete in June 2021, with final completion expected in July 2021.

Reynosa, Tamaulipas, Mexico
Wastewater Collection and Treatment Project

Type: Wastewater
Total Cost: US $15,908,735
Total NADB Funding: US $7,330,512
Certification Date: 5 / 6 / 16
Residents to Benefit: 266,853

Community Benefits
Expansion of wastewater treatment coverage, preventing untreated sewage discharges from entering the Rio Grande River, which will reduce environmental pollution and the risk of waterborne diseases, thus providing a safer and healthier source of water for the city, as well as for downstream users. Specifically, an estimated 9.0 mgd of wastewater will be collected and treated.

The Bank is a source of grant funds through the BEIF, to complement federal funding provided through the Mexican federal water agency, CONAGUA. On March 23, 2016, EPA approved the Bank’s recommendation to provide US$7.08 million in BEIF funding for the construction of this project. The corresponding grant agreement was signed on June 16, 2016. The initial disbursement occurred in May 2017. On September 2, 2020, EPA approved an additional US$250,000 in BEIF funds to cover increased construction costs, bringing total BEIF participation in this project to US$7.33 million. The grant agreement was amended to include the additional funding and was signed on November 10, 2020.

Construction of Lift Stations 1 and 278 funded by the Bank began in May 2017. Work on Lift Station 1 was completed in May 2020. Construction of Lift Station 278 was temporarily suspended in order to replace the contractor. Work was reinitiated in February 2019 and completed in February 2021. Construction to expand WWTP 2 began in 2014 with Mexican funds and is expected to be completed in the fourth quarter of 2021.
### Reynosa, Tamaulipas, Mexico
#### Delaro Wind Energy Project

**Type:** Renewable energy  
**Total Cost:** Reserved  
**Total NADB Funding:** US $50,000,000  
**Certification Date:** 11 / 14 / 19  
**Residents to Benefit:** 226,219

**Description:** Construction of a 117-MW wind farm with 27 wind turbines, as well as a substation and transmission line, on privately-owned rural land located about 25 miles southwest of the city.

**Community Benefits:** Reduced demand for traditional fossil-fuel based energy generation resulting in less greenhouse gas emissions, thus improving air quality, while providing a safe and reliable energy alternative. Specifically, the project is expected to help prevent the emission of an estimated 195,326 metric tons/year of carbon dioxide (CO\(_2\)) and 615 metric tons of sulfur dioxide (SO\(_2\)), as well as other pollutants.

**NADB Participation:** The Bank is a direct lender to the project company, Delaro, S.A.P.I. de C.V., which has signed power purchase agreements with several private firms. On November 14, 2019, the Bank approved a market-rate loan for up to US$50.00 million for construction of the project. A loan agreement for US$32.00 million was contracted on December 16, 2019.

**Implementation Status:** Construction of the wind farm is on hold due to the new energy regulations in Mexico.

### Riverside and Imperial Counties, California, USA
#### Wildcat Energy Storage Project

**Type:** Energy efficiency  
**Total Cost:** Reserved  
**Total NADB Funding:** US $6,800,000  
**Certification Date:** 5 / 13 / 21  
**Residents to Benefit:**

**Description:** Design, construction and operation of the first phase of a 3.0-megawatt alternating current (MW\(ac\)) energy storage system on vacant and undeveloped land in Palm Springs, CA.

**Community Benefits:** Increased energy storage will reduce the use of ramp-up/ramp-down fossil-fuel power plants to meet electricity demand, as well as facilitate the integration of intermittent renewable energy sources, such as solar and wind. With the capacity to store and deliver up to 1,796 megawatt-hours (MWh) of energy a year, the project will displace approximately 819 metric tons/year of CO\(_2\). Increased operational efficiency and reliability of power grid by minimizing power disruptions and reducing energy losses resulting from mismatches in supply and demand.

**NADB Participation:** The Bank is a direct lender to esFaraday, LLC, a subsidiary of the project sponsor esVolta, LP, which has signed an energy storage agreement with Southern California Edison (SCE). The Wildcat project is part of a portfolio of storage facilities being developed by esVolta. On March 2, 2020, the Bank approved a market-rate loan for up to US$6.8 million for the Don Lee Energy Storage Project, and a US$5.0 million loan agreement was signed on March 20, 2020. Prior to year-end, the sponsor decided to cancel the Don Lee project due to unforeseen circumstances. On May 13, 2021, the Bank certified the Wildcat project and approved using up to US$4.73 million of the aforesaid loan to finance the first phase of the Wildcat project.

**Implementation Status:** The Wildcat facility is in the final stages of construction, with commercial operations scheduled to begin in September 2021.
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<th>PROJECT</th>
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<th>IMPLEMENTATION STATUS</th>
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<tr>
<td><strong>San Quintín, Baja California, Mexico</strong>&lt;br&gt;Desalination Plant</td>
<td>Construction of a seawater desalination facility with the capacity to produce 5.7 mgd of drinking water for the San Quintín Valley in the municipality of Ensenada, B.C.</td>
<td>The Bank is a direct lender to complement equity contributions from the private concessionaire, Desaladora Kenton, S.A. de C.V., through a public-private partnership (PPP) with the state water agency. On March 8, 2018, the Bank approved a market-rate loan for up to US$36.61 million to cover approximately 76% of the project costs. The corresponding loan agreement was signed on March 28, 2018, and the condition precedent for loan commitment was met on September 30, 2018.</td>
<td>Construction was put on hold due to change in state and municipal administrations.</td>
</tr>
<tr>
<td><strong>Socorro, Texas, USA</strong>&lt;br&gt;Residential Wastewater Connections in the Rosa Azul Subdivision</td>
<td>Installation of up to 278 yard-line connections to the new sewer system and decommissioning of all on-site septic systems.</td>
<td>The Bank is a source of grant funds through the CAP to complement funding provided by the Lower Valley Water District (LVWD). On November 12, 2020, the Bank approved a CAP grant for up to US$500,000 for project implementation. The corresponding grant agreement was signed on February 25, 2021.</td>
<td>Construction for installation of Phase 1 and 2 residential wastewater connections began in September 2020 and is approximately 43% complete.</td>
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<tr>
<td><strong>Soto la Marina, Tamaulipas, Mexico</strong>&lt;br&gt;Drinking Water System for José Silva Sánchez</td>
<td>Construction of a drinking water system, including the installation of a water transmission line, storage tank and distribution system, as well as equipping an existing well with a new power connection, pumping equipment and disinfection system.</td>
<td>The Bank is a source of grant funds through the CAP to complement funding provided by the local water utility and state water agency. On June 19, 2018, the Bank approved a CAP grant for up to US$250,000 to cover up to 90% of the project costs, including possible fluctuations in the exchange rate and construction contingencies. The corresponding grant agreement was signed on March 7, 2019. Disbursements began in September 2020.</td>
<td>Construction of the water system began in September 2020 and is approximately 78% complete.</td>
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**PROJECT**<br>San Quintín, Baja California, Mexico<br>Desalination Plant<br><br>**DESCRIPTION**<br>Construction of a seawater desalination facility with the capacity to produce 5.7 mgd of drinking water for the San Quintín Valley in the municipality of Ensenada, B.C.<br><br>**Community Benefits**<br>Development of an additional water supply source to ensure sustainable and reliable drinking water services for residents of San Quintín Valley, contributing to the preservation of groundwater resources and human health.<br><br>**NADB PARTICIPATION**<br>The Bank is a direct lender to complement equity contributions from the private concessionaire, Desaladora Kenton, S.A. de C.V., through a public-private partnership (PPP) with the state water agency. On March 8, 2018, the Bank approved a market-rate loan for up to US$36.61 million to cover approximately 76% of the project costs. The corresponding loan agreement was signed on March 28, 2018, and the condition precedent for loan commitment was met on September 30, 2018.<br><br>**IMPLEMENTATION STATUS**<br>Construction was put on hold due to change in state and municipal administrations.<br><br>**San Quintín, Baja California, Mexico**<br>Desalination Plant<br><br>**Type:** Water<br>**Total Cost:** US $ 48,202,093<br>**Total NADB Funding:** US $ 36,610,000<br>**Certification Date:** 3 / 8 / 18<br>**Residents to Benefit:** 86,414<br><br>**San Quintín, Baja California, Mexico**<br>Desalination Plant<br><br>**Type:** Water<br>**Total Cost:** US $ 48,202,093<br>**Total NADB Funding:** US $ 36,610,000<br>**Certification Date:** 3 / 8 / 18<br>**Residents to Benefit:** 86,414<br><br>**San Quintín, Baja California, Mexico**<br>Desalination Plant<br><br>**Type:** Water<br>**Total Cost:** US $ 48,202,093<br>**Total NADB Funding:** US $ 36,610,000<br>**Certification Date:** 3 / 8 / 18<br>**Residents to Benefit:** 86,414

**Socorro, Texas, USA**<br>Residential Wastewater Connections in the Rosa Azul Subdivision<br><br>**Type:** Wastewater<br>**Total Cost:** US $590,750<br>**Total NADB Funding:** US $500,000<br>**Certification Date:** 11 / 12 / 20<br>**Residents to Benefit:** 996<br><br>**Socorro, Texas, USA**<br>Residential Wastewater Connections in the Rosa Azul Subdivision<br><br>**Type:** Wastewater<br>**Total Cost:** US $590,750<br>**Total NADB Funding:** US $500,000<br>**Certification Date:** 11 / 12 / 20<br>**Residents to Benefit:** 996

**Soto la Marina, Tamaulipas, Mexico**<br>Drinking Water System for José Silva Sánchez<br><br>**Type:** Water<br>**Total Cost:** US $260,000<br>**Total NADB Funding:** US $250,000<br>**Certification Date:** 6 / 19 / 18<br>**Residents to Benefit:** 135

**Soto la Marina, Tamaulipas, Mexico**<br>Drinking Water System for José Silva Sánchez<br><br>**Type:** Water<br>**Total Cost:** US $260,000<br>**Total NADB Funding:** US $250,000<br>**Certification Date:** 6 / 19 / 18<br>**Residents to Benefit:** 135
**Sunland Park and Santa Teresa, New Mexico, USA**

**Camino Real Regional Authority Wastewater Treatment Project**

**Type:** Wastewater  
**Total Cost:** US $12,651,767  
**Total NADB Funding:** US $8,951,797  
**Certification Date:** 4 / 23 / 15  
**Residents to Benefit:** 6,438

**DESCRIPTION**

Replacement of the 0.5-mgd North Wastewater Treatment Plant (WWTP) with a new 1.0-mgd package WWTP using extended aeration technology, and rehabilitation of the View Pointe Lift Station.

**Community Benefits**

Increased wastewater treatment capacity and improved effluent quality in compliance with current permit requirements, eliminating the risk of untreated or inadequately treated sewage discharges. Specifically, the new plant will treat 0.70 mgd of wastewater generated by the 1,981 residential connections currently served by the North WWTP and has the capacity to be expanded to meet future demand.

**NADB PARTICIPATION**

The Bank is a source of grant funds through the BEIF, to complement a grant from the State of New Mexico. On December 23, 2014, EPA approved the Bank’s recommendation to provide US$8.0 million in BEIF funds for the construction of the project. The corresponding grant agreement was signed on May 18, 2015. On May 8, 2017, EPA agreed to provide an additional US$1.00 million in BEIF construction assistance to help cover increased costs based on actual procurement results, bringing total BEIF participation in this project to US$9.00 million. The initial disbursement occurred in December 2017. The grant agreement was amended to include the additional funding and was signed on January 15, 2018. The final disbursement occurred on January 16, 2020, leaving an unused balance of US$48,203. The unused funds were deobligated on June 30, 2021, reducing Bank participation to US$8.95 million.

**IMPLEMENTATION STATUS**

Construction of the new WWTP began in July 2017 and was completed in March 2019, along with the rehabilitation of the View Pointe Lift Station. The plant is in operation.
**PROJECT**

Tijuana and Playas de Rosarito, Baja California, Mexico

Expansion of the Water and Wastewater Systems

**DESCRIPTION**

Expansion of the water distribution and wastewater collection systems in Tijuana, expansion of the wastewater collection system in Playas de Rosarito, upgrades to the Rosarito I Wastewater Treatment Plant (WWTP) and completion of the La Morita WWTP and the Tecolote-La Gloria WWTP. 

**Community Benefits**

Reduction of environmental and health hazards associated with inadequate sewage disposal, thus providing a cleaner, healthier environment for local residents. An estimated 3 mgd of wastewater will be collected and treated prior to being discharged into the Pacific Ocean. Provision of first-time water services to currently unserved areas.

**NADB PARTICIPATION**

The Bank is a direct lender to complement funding from the local water utility, CESPT. In addition, several components of this project are expected to receive BEIF grants, along with matching Mexican grants. On July 21, 2009, the Bank approved a market-rate loan for up to US$27.96 million for the project. On July 17, 2009, EPA approved the Bank’s recommendation to provide a total of US$2.20 million in BEIF funds as follows: US$1.36 million for the Rosarito I WWTP and US$845,682 for the Aztílan, Independencia and Lomas de Rosarito sewer systems. The three sewer systems were completed with Mexican funds, so all of the BEIF funds will be used to fund the Rosarito I WWTP. On September 18, 2009, a US$22.08 million loan agreement was signed for the first tranche of the loan and disbursements began in December of the same year. The utility determined that the remainder of the loan was unnecessary and decided not to contract the second tranche. As a result, on August 6, 2010, the unsigned portion of the loan was cancelled, reducing the Bank’s participation in this project to US$24.28 million. On February 1, 2011, two additional components were certified for funding under this loan: the La Morita WWTP and the Tecolote-La Gloria WWTP. On February 16, 2011, EPA approved the Bank’s recommendation to provide a US$1.50 million BEIF grant for expansion of the Ejido Plan Libertador sewer system in Playas de Rosarito and a US$430,567 BEIF grant for expansion of the Alcatraces sewer system in Tijuana. As a result, total Bank participation in this project comes to US$26.21 million. On December 3, 2014, additional sewer rehabilitation infrastructure was certified for funding under this loan: the Farallon Collector and the SEDUE SAAS force main. On September 9, 2014, additional sewer rehabilitation works in Tijuana were certified for partial funding under this loan, along with US$3 million in BEIF funds, bringing Bank participation to US$29.20 million. As of December 31, 2015, a total of US$1.38 million in BEIF funds has been deobligated from four projects, reducing Bank participation to US$29.46 million.

**IMPLEMENTATION STATUS**

Five water storage tanks totaling 11,000 m³, two pump stations, and waterlines in four subdivisions have been completed, as well as two wastewater force mains. Construction of the 9-km Matanuco collector was completed in July 2010. The La Morita plant has also been completed and began operations in August 2010. The La Cuesta sewer system in Tijuana was completed in January 2013. Rehabilitation of the SEDUE SAAS force main was completed in April 2013. Expansion of the Rosarito I WWTP was completed in September 2013. Rehabilitation of the Farallón collector was completed in February 2014. The sewer lines in Ejido Plan Libertador in Playas de Rosarito and in Col. Alcatraces in Tijuana, were completed in December 2013. Additional sewer connections related to these two projects were completed in September 2014. Rehabilitation of four wastewater collectors was completed in December 2015. Construction on the fourth phase of the Sanchez Taboada collector was completed in February 2016. Rehabilitation of two sections of the same collector funded by the Bank began in July 2015 and was completed in February 2016. Two contracts for residential hookups in Tijuana were completed in September 2016. The rehabilitation of three collectors began in September 2016, and the work was completed in May 2017. Rehabilitation of the wastewater collection system that discharges to the Las Americas Collector began in August 2017 and was completed in October 2018.

The Tecolote-La Gloria plant is approximately 55% complete; but construction is currently on hold due to a contractor dispute.

**Type:** Water / wastewater

**Total Cost:** US $48,420,000

**Total NADB Funding:** US $29,457,459

**Certification Date:** 7 / 21 / 09

**Residents to Benefit:** 1,111,891
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<th>DESCRIPTION</th>
<th>NADB PARTICIPATION</th>
<th>IMPLEMENTATION STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tijuana, Baja California, Mexico</strong>&lt;br&gt;Construction of the Tecolote-La Gloria Wastewater Treatment Plant</td>
<td>Construction of the 8.7 mgd Tecolote-La Gloria Wastewater Treatment Plant. <strong>Community Benefits</strong>&lt;br&gt;Reduction of environmental and health hazards associated with untreated sewage discharges that affect local residents, as well as other communities along the Pacific coast, including California.</td>
<td>The Bank is providing loan funds to complete the financing for this project, which also includes funding from the local water utility, CESPT, as well as Mexican federal grants and a loan from the Japan Bank of International Cooperation (JBIC). On September 18, 2009, NADB and CESPT signed a US$22.08 million loan agreement to finance several water and wastewater works. Approximately US$4.13 million of that loan is allocated to the implementation of this project, but disbursement has been delayed since the project was put on hold.</td>
<td>The Tecolote-La Gloria plant is approximately 55% complete with Mexican funding. Construction is currently on hold due to a contractor dispute.</td>
</tr>
<tr>
<td>Type: Wastewater&lt;br&gt;Total Cost: US $8,228,555&lt;br&gt;Total NADB Funding: US $4,129,079&lt;br&gt;Certification Date: 2/1/11&lt;br&gt;Residents to Benefit: 187,036</td>
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</tbody>
</table>

| **Tijuana, Baja California, Mexico**<br>Rehabilitation of the Collector Poniente | Rehabilitation of three segments of the Collector Poniente, along with the replacement of a few related sub-collectors. **Community Benefits**<br>Reduced risk of line breaks and leaks, thereby preventing the potential contamination of surface and groundwater sources. Specifically, the project will prevent the potential discharge of approximately 4 mgd of untreated wastewater, which could affect the Tijuana River, a transboundary water body. | The Bank is a source of grant funds through the BEIF, to complement federal grants and equity investments made by the local utility, CESPT. On November 8, 2017, EPA approved the Bank’s recommendation to provide US$1.17 million in BEIF funds for the construction of the project. The corresponding grant agreement was signed on April 13, 2018. On June 8, 2018, EPA agreed to provide an additional US$350,000 in BEIF construction assistance to cover increased costs based on actual procurement results, bringing total BEIF participation in this project to US$1.52 million. Disbursements began in August 2018. The grant agreement was amended to include the additional funding and was signed on October 30, 2019. | Construction of a portion of Segment 2 was completed with Mexican funding in 2017. Work to replace the remaining portion of Segment 2 was completed in February 2019. Construction on Segments 1B and 3 was completed in June 2019, thus completing the entire project. |
| Type: Wastewater<br>Total Cost: US $3,014,000<br>Total NADB Funding: US $1,524,360<br>Certification Date: 11/9/17<br>Residents to Benefit: 86,950 | | |

| **Tijuana, Baja California, Mexico**<br>Construction of the Tecolote-La Gloria Wastewater Treatment Plant | Construction of the 8.7 mgd Tecolote-La Gloria Wastewater Treatment Plant. | The Bank is providing loan funds to complete the financing for this project, which also includes funding from the local water utility, CESPT, as well as Mexican federal grants and a loan from the Japan Bank of International Cooperation (JBIC). On September 18, 2009, NADB and CESPT signed a US$22.08 million loan agreement to finance several water and wastewater works. Approximately US$4.13 million of that loan is allocated to the implementation of this project, but disbursement has been delayed since the project was put on hold. | The Tecolote-La Gloria plant is approximately 55% complete with Mexican funding. Construction is currently on hold due to a contractor dispute. |
| Type: Wastewater<br>Total Cost: US $8,228,555<br>Total NADB Funding: US $4,129,079<br>Certification Date: 2/1/11<br>Residents to Benefit: 187,036 | | | |

| **Tijuana, Baja California, Mexico**<br>Rehabilitation of the Collector Poniente | Rehabilitation of three segments of the Collector Poniente, along with the replacement of a few related sub-collectors. **Community Benefits**<br>Reduced risk of line breaks and leaks, thereby preventing the potential contamination of surface and groundwater sources. Specifically, the project will prevent the potential discharge of approximately 4 mgd of untreated wastewater, which could affect the Tijuana River, a transboundary water body. | The Bank is a source of grant funds through the BEIF, to complement federal grants and equity investments made by the local utility, CESPT. On November 8, 2017, EPA approved the Bank’s recommendation to provide US$1.17 million in BEIF funds for the construction of the project. The corresponding grant agreement was signed on April 13, 2018. On June 8, 2018, EPA agreed to provide an additional US$350,000 in BEIF construction assistance to cover increased costs based on actual procurement results, bringing total BEIF participation in this project to US$1.52 million. Disbursements began in August 2018. The grant agreement was amended to include the additional funding and was signed on October 30, 2019. | Construction of a portion of Segment 2 was completed with Mexican funding in 2017. Work to replace the remaining portion of Segment 2 was completed in February 2019. Construction on Segments 1B and 3 was completed in June 2019, thus completing the entire project. |
| Type: Wastewater<br>Total Cost: US $3,014,000<br>Total NADB Funding: US $1,524,360<br>Certification Date: 11/9/17<br>Residents to Benefit: 86,950 | | | |
### Tijuana, Baja California, Mexico

#### Rehabilitation of Collector Poniente: Segment 1A

**Type:** Wastewater  
**Total Cost:** US $6,460,000  
**Total NADB Funding:** US $2,420,000  
**Certification Date:** 5/30/19  
**Residents to Benefit:** 87,000

**DESCRIPTION**

Rehabilitation of segment 1A of the Collector Poniente.

**Community Benefits**

Reduced risk of line breaks and leaks, thereby preventing the potential contamination of surface and groundwater sources. Specifically, the project will prevent the potential discharge of approximately 4 mgd of untreated wastewater, which could affect the Tijuana River, a transboundary water body.

**NADB PARTICIPATION**

The Bank is a source of grant funds through the BEIF, to complement federal and state and equity investments made by the local utility, CESPT. On May 3, 2019, EPA approved the Bank’s recommendation to provide US$2.42 million in BEIF funds for the construction of the project. The corresponding grant agreement was signed on June 6, 2019, and disbursements began in September of the same year.

**IMPLEMENTATION STATUS**

Segment 1A was divided into four sections. Construction on sections 1, 2 and 3 financed with Mexican funds, began in July 2019 and was completed in August 2020. Construction of section 4 funded by the Bank began in August 2019 and was completed in August 2020 under budget.

CESPT requested that the unused BEIF funds be applied towards the cost of connecting a collapsed segment of the Cañón del Sainz-Los Reyes sewer line to the Collector Poniente to eliminate untreated discharges to the river. Construction on the sewer line began in December 2020 and was substantially complete in June 2021.

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#### Rehabilitation of Collector Oriente

**Type:** Wastewater  
**Total Cost:** US $1,790,576  
**Total NADB Funding:** US $895,129  
**Certification Date:** 8/21/20  
**Residents to Benefit:** 154,000

**DESCRIPTION**

Rehabilitation of the Buena Vista section of the sewer main known as the Collector Oriente.

**Community Benefits**

Reduced risk of line breaks and leaks, thereby preventing the potential contamination of surface and groundwater sources. Specifically, the project will prevent the potential discharge of approximately 7.1 mgd of untreated wastewater that could affect the Tijuana River, a transboundary water body.

**NADB PARTICIPATION**

The Bank is a source of grant funds through the BEIF, to complement federal, state and local funding. On August 5, 2020, EPA approved the Bank’s recommendation to provide US$895,129 in BEIF funds for the construction of the project. The corresponding grant agreement was signed on April 8, 2021.

**IMPLEMENTATION STATUS**

Construction of 855 m of the sewer main financed with Mexican funds began in July 2020 and was completed in December 2020.

Procurement of the remaining 491 m to be funded by the Bank began in May 2021, with contract award expected in the third quarter of 2021.
Tornillo, Texas, USA

**Arsenic Treatment and Wastewater Collection Project**

**Type:** Water / wastewater  
**Total Cost:** US $ 3,471,673  
**Total NADB Funding:** US $ 3,471,673  
**Certification Date:** 8 / 28 / 14  
**Residents to Benefit:** 3,500

**DESCRIPTION**

Construction of an arsenic treatment facility (ATF) for water wells No. 2 and 3, as well as 19 new residential wastewater connections that will be incorporated into the ATF waste line.

**Community Benefits**

Improved water quality by reducing arsenic concentrations to acceptable levels in compliance with current federal regulations, as well as removing iron and manganese ions. First-time sewer service for 19 households, eliminating approximately 5,600 gallons per day of inadequately treated and untreated wastewater.

**NADB PARTICIPATION**

The Bank is a source of grant funds through the BEIF. On May 8, 2014, EPA approved the Bank's recommendation to provide US$3.25 million in BEIF construction assistance for this project. The corresponding grant agreement was signed on November 14, 2014. On May 4, 2016, EPA approved an additional US$498,612 in BEIF funds to cover increased costs based on actual procurement results, bringing total BEIF participation in this project to US$3.75 million. The amended grant agreement was signed on May 12, 2016, and disbursements began in September 2016. The final disbursement occurred on February 23, 2018, leaving an unused balance of US$278,399. The unused funds were deobligated on June 30, 2021, reducing Bank participation to US$3.47 million.

**IMPLEMENTATION STATUS**

Construction of the arsenic treatment facility and related works began in June 2016. Work was substantially complete, and the ATF began operations in February 2017. The remaining work was completed in September 2017.

Vinton, Texas, USA

**Wastewater Collection System**

**Type:** Wastewater  
**Total Cost:** US $ 19,731,500  
**Total NADB Funding:** US $ 3,000,000  
**Certification Date:** 11 / 14 / 19  
**Residents to Benefit:** 2,043

**DESCRIPTION**

Construction of a wastewater collection system, including a lift station and 503 residential connections for the Village of Vinton, located about 25 miles north of downtown El Paso.

**Community Benefits**

First-time access to wastewater collection and treatment services for 90% of the community, reducing the human health risks associated with waterborne diseases. Specifically, an estimated 275,000 gallons per day of wastewater will be collected and treated.

**NADB PARTICIPATION**

The Bank is a source of grant funds through the BEIF, to complement a loan and grant from the Texas Water Development Board (TWDB). On November 7, 2019, EPA approved the Bank's recommendation to provide US$3.00 million in BEIF funds for the construction of the project. The corresponding grant agreement was signed on January 8, 2021.

**IMPLEMENTATION STATUS**

Construction of phase 1 of the new wastewater collection system (south of Vinton Road) funded by TWDB began in September 2020 and is approximately 50% complete. Bidding for construction of phase 2 of the system (north of Vinton Road) to be funded by TWDB began in June 2021, with contract award expected in August 2021.

Vinton, Texas, USA

**Drinking Water Distribution System**

**Type:** Water  
**Total Cost:** US $ 10,618,500  
**Total NADB Funding:** US $ 3,500,000  
**Certification Date:** 2 / 24 / 20  
**Residents to Benefit:** 1,480

**DESCRIPTION**


**Community Benefits**

Access to safe and reliable drinking water services for 367 households, thus reducing the human health risks associated with waterborne diseases. In particular, the project will eliminate exposure to arsenic and pathogenic organisms present in the current water supply.

**NADB PARTICIPATION**

The Bank is a source of grant funds through the BEIF, to complement a loan and grant from the U.S. Department of Agriculture (USDA). On January 27, 2020, EPA approved the Bank's recommendation to provide US$3.50 million in BEIF funds for the construction of the project. The corresponding grant agreement was signed on January 8, 2021.

**IMPLEMENTATION STATUS**

Construction of phase 1 of the water distribution system (south of Vinton Road) funded by USDA began in April 2020 and is approximately 95% complete. Bidding for construction of phase 2 of the system (north of Vinton Road) to be funded by NADB began in June 2021, with contract award expected in August 2021.
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<thead>
<tr>
<th>PROJECT</th>
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<th>NADB PARTICIPATION</th>
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<tbody>
<tr>
<td>Webb County, Texas, USA</td>
<td>Construction of a 200-MW solar park, using bifacial monocrystalline photovoltaic modules mounted on single-axis tracking arrays on private land located about 16 miles northeast of the city of Laredo.</td>
<td>The Bank is a direct lender to the project company, Corazon Energy, LLC, which will sell the energy to a private company pursuant to power purchase agreement, as well as on the wholesale electricity market. On December 11, 2020, the Bank approved a market-rate loan for up to US$100.00 million for construction of the project. A loan agreement for US$62.90 million was contracted on February 26, 2021, and disbursements began in March of the same year. The last disbursement occurred on June 3, 2021.</td>
<td>Construction of the solar park began in July 2020 and is approximately 85% complete.</td>
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<tr>
<td>BayWa Corazon Solar Project</td>
<td><strong>Community Benefits</strong></td>
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<td>Reduced demand for traditional fossil-fuel based energy generation resulting in less greenhouse gas emissions, thus improving air quality, while providing a safe and reliable energy alternative. Specifically, the project is expected to help prevent the emission of an estimated 258,338 metric tons/year of carbon dioxide (CO₂).</td>
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<tr>
<td>Type: Solar energy</td>
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<td>Total Cost: Reserved</td>
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<tr>
<td>Total NADB Funding: US $ 100,000,000</td>
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<td>Certification Date: 12 / 11 / 20</td>
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<td>Residents to Benefit: 138,970</td>
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