



QUARTERLY STATUS REPORT

December 31, 2019



*Financing projects to preserve, protect and enhance
the environment of the U.S.-Mexico border*



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1. Summary of Financial & Operational Activity

TABLE 1: NADB FINANCIAL SUMMARY 2015-2019¹

(Thousand USD)

	2019	2018	2017	2016	2015
Balance Sheet Data					
Cash and investments	\$ 753,537	\$ 799,146	\$ 954,962	\$ 511,558	\$ 504,861
Loans ²	1,301,747	1,284,478	1,293,807	1,411,296	1,324,777
Total assets	2,007,483	1,958,997	2,145,753	1,812,866	1,780,599
Borrowings, gross	1,309,334	1,314,597	1,493,443	1,187,505	1,190,550
Total liabilities	1,324,519	1,305,971	1,511,438	1,208,832	1,215,017
Paid-in capital	415,000	415,000	415,000	415,000	415,000
Equity	682,964	653,027	634,315	604,034	565,582
Callable capital	2,351,667	2,351,667	2,351,667	2,351,667	2,295,000
Income Statement Data					
Interest income	\$ 84,302	\$ 78,918	\$ 68,622	\$ 59,012	\$ 51,246
Loans	65,635	61,981	57,761	52,427	45,892
Investments	18,667	16,936	10,861	6,585	5,354
Interest expense	44,648	47,242	31,640	19,950	15,101
Net interest income	39,655	31,675	36,982	39,061	36,145
Total operating expenses	19,150	15,618	8,448	17,934	18,143
Provision for loan losses	62	(1,953)	(3,945)	5,134	8,559
Total non-interest income (expense)	9,869	7,833	3,156	(369)	2,388
Income before program activity	30,374	23,890	31,690	20,758	20,389
Net program expense ³	673	2,536	2,163	1,088	4,873
Net income	29,701	21,354	29,527	19,670	15,516
Ratios					
Equity / loans (%)	52.5	50.8	49.0	42.8	42.7
Equity / assets (%)	34.0	33.3	29.6	33.3	31.8
Gross debt / callable capital (%)	55.7	55.9	63.5	50.5	51.9
Gross debt / equity (%)	191.7	201.3	235.4	196.6	210.5
Interest coverage (x) ⁴	1.5	1.3	1.8	2.3	2.8
Liquid assets / total assets (%)	37.3	40.6	44.3	25.3	25.3
Liquid assets / short-term debt (x)	2.9	151.2	3.1	87.0	85.7
Income before program activity / equity (%)	4.4	3.7	5.0	3.4	3.6
Income before program activity / average assets (%)	1.5	1.2	1.6	1.2	1.2
Non-accrual loans / loans outstanding (%)	1.1	1.1	1.1	-	-
Credit Ratings					
Moody's Investor Service	Aa1/P-1	Aa1/P-1	Aa1/P-1	Aa1/P-1	Aa1/P-1
Fitch Ratings	AA/F1+	AA/F1+	AA/F1+	AA/F1+	AA/F1+

¹ The figures exclude the U.S. domestic program, and as of November 10, 2017, reflect the finances of the NADB under the amended charter.

² Before allowance for loan losses, unamortized fees, and effect of foreign exchange adjustments and hedged items.

³ Program expenses include grant financing and technical assistance funded from the Bank's retained earnings, as well as related administrative expenses.

⁴ Interest coverage ratio is defined as interest income minus operating expenses less provision for loan losses divided by interest expense.

TABLE 2: SUMMARY OF PROJECT AND FINANCING OPERATIONS 2015-2019

(Thousand USD)

	2019	2018	2017	2016	2015
Project Certification					
Total projects certified¹	12	6	10	15	14
By Sector					
Water	7	5	5	7	7
Waste management	1	-	-	5	-
Air quality ²	1	-	-	1	1
Basic urban infrastructure ³	-	-	-	-	1
Clean and efficient energy	3	1	5	2	5
By Financing Type⁴					
Loans	6	2	5	3	8
NADB-funded grants	3	3	-	7	2
NADB-administered grants	4	1	4	5	4
Lending Operations					
Loans approved	\$ 264,871	\$ 131,737	\$ 283,233	\$ 96,876	\$ 239,177
Loans contracted	146,071	122,729	229,536	146,767	178,262
Loans disbursed	164,293	167,009	101,426	136,253	249,556
Grant Operations					
NADB-funded grants⁵					
Approved	\$ 1,067	\$ 1,200	\$ -	\$ 3,100	\$ 1,000
Contracted	767	500	1,500	1,600	1,450
Disbursed ⁶	182	2,177	1,184	438	3,525
NADB-administered grants⁷					
Approved	14,160	2,881	6,236	25,022	20,274
Contracted	10,530	4,318	14,535	21,231	16,219
Disbursed	10,723	24,959	11,278	10,228	8,698

¹ Project certification and financing proposals are approved simultaneously by the Board of Directors.

² This category includes roadway improvements, industrial emissions reduction and public transportation.

³ These projects consist of works from various sectors, such as roadway improvements, water and sewer lines, storm drainage and public lighting.

⁴ Two projects in 2019 were approved to receive both a loan and a grant. The 2019 figures do not include the loan for the air quality project, which was cancelled prior to year-end.

⁵ Grants funded from designated retained earnings of the Bank for certified infrastructure projects (excludes technical assistance).

⁶ Includes grant disbursements through the Community Assistance Program (CAP) and for the years 2015-2017 through the Water Conservation Infrastructure Fund (WCIF). It excludes expenditures for CAP supervision.

⁷ Grants funded by the U.S Environmental Protection Agency (EPA) and administered by NADB through the Border Environment Infrastructure Fund (BEIF).

2. Project & Financing Activity



2.1. Loan Program

Lending Activity. During the last quarter of 2019, the Board of Directors approved the certification of five projects, along with up to US\$262.03 million in loans for their implementation.

At its meeting on November 14th, the Board approved the following projects and loans:

- *Don Diego Solar Energy Project*, located in the municipality of Benjamín Hill, Sonora, approximately 75 miles north of the city of Hermosillo. The solar park with a maximum capacity of 125 megawatts (MW) of alternating current is expected to produce electricity equivalent to the annual consumption of 53,159 households, displacing the production of fossil-fueled based energy and thus avoiding the emission of an estimated 169,443 metric tons/year of carbon dioxide (CO₂), 506 metric tons/year of nitrogen oxides (NO_x), and 1,340 metric tons/year of sulfur dioxide (SO₂), among other pollutants. A loan for up to US\$100 million was approved to support its implementation.
- *Delaro Wind Energy Project*, located in the municipality of Reynosa, Tamaulipas, approximately 25 miles southwest of the city. The 117-MW wind farm is expected to produce electricity equivalent to the annual consumption of 64,634 households, displacing the production of fossil-fueled based energy and thus avoiding the emission of an estimated 195,326 metric tons/year of CO₂, 652 metric tons/year of NO_x, and 615 metric tons/year of SO₂, among other pollutants. A loan for up to US\$50 million was approved to support its implementation.
- *Rehabilitation and Upgrade of the North and South Wastewater Treatment Plants (WWTP) in Chihuahua, Chihuahua*. Improvements to the treatment processes will help ensure that the plants continue to comply with federal standards, as well as improve the treatment of 39 million gallons a day of wastewater and produce 33% less sludge. A cogeneration facility with up to 1.25 MW of capacity will also be installed in the South WWTP. By using the biogas from the sludge to generate electricity, the utility expects to supply close to 71% of the power required to operate the South WWTP, which in addition to reducing operating costs, will also offset energy consumed from the public grid and thus help prevent the emission of 9,583 metric tons/year of CO₂. A peso-denominated loan equivalent to US\$11.23 million was approved to support implementation of the US\$14.7-million project.
- *Water System Improvements Project in Presidio, Texas*. The US\$3.80-million project consists of improvements to the water distribution system and its extension along Highway 67. The Board approved a loan for up to US\$800,000 to complement a US\$3.0 million grant from the U.S. Environmental Protection Agency through the Border Environment Infrastructure Fund (BEIF). More details about this project are provided in the Section 2.2.2 of this report.

On December 2, 2019, the Board certified the Engie Akin Solar Energy Project in the municipality of Pitiquito, Sonora, approximately 156 miles northwest of the city of Hermosillo, and approved a loan for up to US\$100 million to help finance its implementation. The solar park with a maximum capacity of 100 MW of alternating current is expected to produce electricity equivalent to the annual consumption of 42,844 households, displacing the production of fossil-fueled based energy and thus avoiding the emission of an estimated 144,843 metric tons/year of CO₂, 435 metric tons/year of NO_x, and 1,145 metric tons/year of SO₂, among other pollutants.

During the last quarter of 2019, three loan agreements totaling US\$143.23 million were contracted.

Table 3			
LOANS CONTRACTED IN THE FOURTH QUARTER OF 2019			
	Project	Loans Contracted (Million USD)	Date Signed
1	Don Diego Solar Energy Project in Benjamín Hill, SON	\$ 100.00	19-Nov-19
2	Delaro Wind Energy Project in Reynosa, TAM	32.00	16-Dec-19
3	Rehabilitation and Upgrade of the North and South Wastewater Treatment Plants in Chihuahua, CHIH	11.23	16-Dec-19
	TOTAL	\$ 143.23	

During the same three-month period, the Bank disbursed US\$122.25 million in loans, including the full disbursement of the loan for Don Diego solar project and the final disbursement of the loan for Puerto Libertad solar project.

During December, the financing commitments for two previously certified projects were cancelled. The loan for up to \$1,980.0 million pesos (US\$103.32 million) approved in April 2019 to finance part of the Metrorrey Light Rail Transit (LRT) project in Monterrey, Nuevo Leon, was cancelled after the sponsor changed the train manufacturer, as well as the financial structure of the project, which required the state government to bid out the loan. NADB declined to participate in the bid process, because the time constraints imposed by the competitive process did not allow for an adequate due-diligence review of the revised project.

In the case of the Border-wide Financing Program to Improve Water and Energy Efficiency in the United States sponsored by CleanFund Commercial PACE Capital, Inc., the US\$50.0 million loan was approved in September 2016, and a loan agreement for up to US\$25.0 million was signed in June 2017. However, no funds have been disbursed, and the sponsor has changed the program structure. Under the circumstances, NADB determined that the terms and conditions of the loan could not be met and terminated the financing commitment.

In addition, NADB signed an agreement with Bargaf, S.A. de C.V., SOFOM, E.N.R., to co-finance the loan provided by NADB for the construction of the El Mezquite Wind Farm in Nuevo Leon, using the Development Capital Certificate (CKD) administered by FONDO de FONDOS. Under the agreement, approximately 50% of the outstanding balance of the loan was transferred to the CKD, resulting in a US\$35-million prepayment to NADB. This transaction represents a significant milestone as it is the first of several projects that NADB expects to close in the coming months in

conjunction with this CKD, a \$4-billion-peso investment vehicle issued on the Mexican Stock Exchange for the purpose of co-financing sustainable infrastructure projects in Mexico with NADB.

In 2019, new loans totaling US\$264.87 million were approved for six projects;¹ loan agreements totaling US\$146.07 million were signed for four projects and the Bank disbursed US\$164.29 million to support the implementation of eight projects.

Principal Payments. In 2019, the Bank received just over US\$147.02 million in principal amortizations, including loan prepayments totaling US\$65.69 million. Principal amortizations, excluding prepayments, averaged US\$6.78 million a month, while loan disbursements for the same period averaged US\$13.69 million a month.

Status of Loan Portfolio. NADB closed the year with an outstanding loan balance of US\$1.302 billion, an increase of 1.3% compared to the balance at the end of 2018 (US\$1.284 billion).² A breakdown of the current loan portfolio by region, borrower type and sector is shown in the following table.

¹ These figures do not include the US\$103.32-million loan approved for the Metrorrey light rail project in April, as the loan was cancelled prior to year-end.

² These figures do not take into account allowances for loan losses, foreign exchange adjustments, unamortized loan fees and the fair value of hedged items.

Table 4
BREAKDOWN OF OUTSTANDING LOAN PORTFOLIO
AS OF DECEMBER 31, 2019

	Loans		Amount	
	No.	%	Million USD	%
Country				
U.S.	17	25.0	\$ 326,719	25.1
Mexico	51	75.0	975,028	74.9
	68	100.0	\$ 1,301,747	100.0
Borrowers				
Public	34	50.0	\$ 180,596	13.9
Private	30	44.1	1,062,617	81.6
Public-private	4	5.9	58,533	4.5
	68	100.0	\$ 1,301,747	100.0
Sector				
Water				
Water / wastewater	24	35.8	\$ 110,548	8.5
Storm drainage	1	1.5	10,714	0.8
Waste Management	1	1.5	2,845	0.2
Air quality				
Roadway improvements	7	10.4	78,484	6.0
Public transportation	2	3.0	42,005	3.2
Clean & Efficient Energy				
Solar energy	16	22.4	429,095	33.0
Wind energy	12	17.9	590,585	45.4
Other clean energy ¹	2	3.0	2,946	0.2
Basic urban infrastructure²	3	4.5	34,525	2.7
	68	100.0	\$ 1,301,747	100.0

1. Other clean energy currently includes two biogas projects.

2. These projects consist of a mix of works from various sectors, such as street paving, water and sewer lines, storm drainage and public lighting.

Additionally, at the end of the quarter, the Bank had US\$99.86 million in loan contracted pending disbursement for ten projects, as well as up to US\$128.85 million in approved loans pending contracting for four projects. Consequently, as do December 31, 2019, loans outstanding plus loans pending disbursement and commitment at the end of the quarter totaled US\$1.53 billion.

Table 5		
ANNUAL LENDING ACTIVITY		
(Million USD)		
	12/31/2019	12/31/2018
Outstanding balance, beginning of year	\$ 1,284.48	\$ 1,293.81
Loan disbursements	164.29	167.01
Principal repayments	(147.03)	(176.34)
Outstanding balance, end of period	1,301.75	1,284.48
Loan commitments, pending disbursement	99.86	150.64
Loan approvals, pending commitment	128.85	128.90
Total loan approvals & commitments	228.71	279.54
Outstanding loans & loan commitments	\$ 1,530.45	\$ 1,564.02

Outstanding balances, before allowance for loan losses, unamortized fees, and effect of foreign exchange adjustments and hedged items.

To date, the Board has approved 114 loans, of which 111 have been contracted and 108 have been partially or fully disbursed. Of the loans disbursed, 37 have been repaid in full and three have been partially or fully written off, leaving a portfolio of 68 loans outstanding. One loan was classified as non-accrual with a balance of US\$14.13 million as of December 31, 2019, which represents 1.09% of the loan portfolio. This loan was restructured in July 2018 with no charge-offs, and the borrower has made its last three biannual payments. Nevertheless, the loan will remain on non-accrual until the Bank is confident that the borrower will continue to meet the contractual repayment terms.

Project Implementation. During the past quarter, one project partially funded with an NADB loan and Community Assistance Program (CAP) grant completed construction.

Landfill Expansion Project in Maverick County, Texas. In December 2019, construction of landfill cell No. 3 was completed in the El Indio Municipal Solid Waste Facility. The work included installing a leachate collection system, lining the cell floor and side slopes with a high-density polyethylene (HDPE) geomembrane and extending access roads to the new cell. Located approximately 16 miles south of the city of Eagle Pass, the facility serves the entire county, and receives an average of around 130 tons of waste a day. Since Cells No. 1 and 2 are expected to reach design capacity in or around February 2020, the new cell ensures that the facility will be able to continue managing the proper disposal of up to 150 tons of solid waste per day in compliance with federal and state laws. The US\$3.45-million project was partially funded with a US\$2.85-million loan and a US\$66,683 CAP grant.



Installation of geomembrane liner

At the end of the 2019, a total of 15 certified projects partially funded with NADB loans were in various stages of implementation or pending financial closeout. In addition, loan agreements were in development for two of the projects: Engie Akin Solar Park and the Presidio water system. Information on the status of these projects as of December 31, 2019, is provided in the Annex. For more detailed information, see the report on Project Implementation Activities for Active Projects, which is available on the NADB website (www.nadb.org).

Projects in Development. During the last quarter of 2019, six new loan projects were identified, and the Bank had three projects in development that could potentially be submitted to the Board for approval during the first half of 2020:

- Expansion of the Energía Sierra Juárez (ESJ) Wind Farm in Tecate, B.C.;
- Don Lee Energy Storage Project in Escondido, CA; and
- Los Molinos Wind Energy project in Matamoros, TAM.

2.2. Grant Programs

2.2.1. Community Assistance Program (CAP)

Through this program, NADB provides grant financing from its retained earnings for critical environmental infrastructure projects in low income-communities. Grants are available for projects in all sectors eligible for NADB financing, with priority given to drinking water, wastewater, water conservation and solid waste infrastructure.

At its meeting on November 14th, the Board of Directors approved the certification of two projects, along with US\$500,000 CAP grant for each one.

- ***Drinking Water System Improvements in Magdalena, Sonora.*** The US\$3.20-million project is the first phase of a comprehensive water system improvement plan and consists of establishing three hydrometric sectors in the areas known as San Isidro, Fátima and El Polvorín. The project will help eliminate leaks in the distribution system, as well as improve service reliability by regulating system pressure and introducing system redundancy. These improvements are expected to prevent approximately 264 million gallons per year in water losses, as well as help prevent the risk of cross-contamination from leaks and stagnant water in the system.
- ***Storm Water Infrastructure Improvements in Ciudad Acuña, Coahuila.*** The project consists of improvements to the Santa Martha and La Misión storm water channels. In addition to reducing the risk of flooding and stagnant water, the project will 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 total cost of the project is estimated at US\$631,492.

In 2019, NADB approved US\$1.07 million in grants for three projects, signed grant agreements totaling US\$766,683 with the sponsors of three projects and disbursed US\$181,625 in grants to support five projects in implementation. The overall status of CAP program funding as of December 31, 2019, is summarized in Table 6.

Table 6		
CAP PROGRAM FUNDING		
(Million USD)		
	2019	Cumulative
Retained earnings allocated	\$ –	\$ 14.09
Grants approved for projects	1.07	(8.61)
Funds committed for supervision	0.34	(1.07)
Funding available for future projects		\$ 4.41

Project Implementation. In November, work began to replace the water distribution system and service connections in the *colonia* Vista del Este, located approximately 15 miles east of the city of El Paso. In December, construction of landfill cell No. 3 in the El Indio Municipal Solid Waste Facility in Maverick County, Texas, was completed. This project was also funded by a NADB loan. For more details about the project, see Section 2.1 of this document.

Of the 20 projects funded with CAP grants, 13 have been completed, four were in various stages of implementation and three were in bidding or preparing to begin bidding at the end of the quarter. Grant agreements totaling US\$1.00 million for two additional projects were under development and expected to be signed during the first quarter of 2020.

Information on the status of projects currently in the process of being implemented or pending financial closeout as of December 31, 2019, is provided in the Annex. For more detailed information, see the report on Project Implementation Activities for Active Projects, which is available on the NADB website (www.nadb.org).

Projects in Development. NADB continued to work with five other communities to complete development activities related to their environmental infrastructure projects. Based on current information, two projects could potentially be submitted to the Board for approval during the first half of 2020.

- Drinking water project in Webb County, TX; and
- Wastewater project in Rio Bravo, TAM.

2.2.2. Border Environment Infrastructure Fund (BEIF)

Through this program, NADB administers grant resources provided by the Environmental Protection Agency (EPA) for the implementation of priority water and wastewater infrastructure projects located within 100 km of either side of the U.S.-Mexico borders.

On November 14, 2019, the Board of Directors approved the certification of two projects to receive up to US\$6.0 million in BEIF grants.

- Water System Improvements Project in Presidio, Texas. The US\$3.80-million project consists of improvements to the water distribution system and its extension along Highway 67. The project will improve system sustainability by reducing pressure in the distributions lines, protect water quality by eliminating line breaks that can lead to contamination of the water supply and provide first-time access to drinking water services for 10 households. In particular, the project will prevent at least 80,000 gallons a day in water losses from the distribution system. The Board also authorized a loan for up to US\$800,000 to complement the US\$3.0-million grant approved by EPA.
- Wastewater Collection System for Vinton, Texas. The US\$19.73-million project consists of constructing a wastewater collection system for the Village of Vinton, located approximately 25 miles north of the city of El Paso. The project will provide first-time access to wastewater collection and treatment services for 90% of the community, eliminating 275,000 gallons per day of wastewater from residential, commercial and industrial sources. EPA approved a US\$3.0-million grant for project construction.

In addition, EPA agreed to increase the BEIF grants for two projects certified in prior years. On October 3, 2019, an additional US\$650,000 in BEIF funds was approved to support the construction of the Wastewater Infrastructure Project in Marathon, Texas, bringing total BEIF participation in the project to US\$2.20 million. On December 31, 2019, an additional US\$580,000 in BEIF funds was approved to support the replacement of the Sonic Lift Station in Anthony, New Mexico, bringing total BEIF participation in the project to US\$3.39 million.

Three grant agreements totaling US\$5.51 million were signed during the quarter, including two amended agreements to incorporate additional funding for projects in Tijuana, Baja California, and Marathon, Texas.

	Project	BEIF Grant (Million USD)	Date Signed
1	Rehabilitation of the Poniente Collector in Tijuana, B.C. (amended agreement)	\$ 0.35	30-Oct-19
2	Wastewater Infrastructure Project in Marathon, TX (amended agreement)	0.65	18-Nov-19
3	Wastewater Collection and Treatment Project in Gustavo Diaz Ordaz, TAM	4.51	21-Dec-19
	TOTAL	\$ 5.51	

In December, the US\$1.80 million grant agreement for the Cuadrilla Wastewater Collection and Treatment Project in El Paso County, Texas, was formally cancelled. Because of changes in project design, additional environmental clearances were required to use the BEIF funds; therefore, the sponsor decided to proceed with the project using its own funds.

During the past quarter, the Bank also closed out the financing agreements of nine projects that were completed under budget without using the full BEIF grant commitment. A total of US\$3.05 million in unused grant funds were cancelled and returned to the BEIF program for projects in development, as shown in Table 8.

Table 8			
CANCELLATION OF UNUSED BEIF FUNDING			
(Million USD)			
	Project	Unused Funds Cancelled	Final Grant Amount
1	Wastewater Collection System and Residential Connections in FM 511-802 Colonias in Brownsville, TX	\$ 659,148	\$ 2,968,992
2	Construction of the South-South Wastewater Treatment Plant in Ciudad Juarez, CHIH	949,155	7,050,845
3	Wastewater Collection and Treatment Project in Colonia Esperanza, CHIH	4,492	425,509
4	North Alamo Regional Wastewater Collection and Treatment Project in Hidalgo County, TX	310,673	1,585,782
5	Water System Improvements Project in Mesilla, NM	275,889	422,226
6	Rehabilitation of the Wastewater Collection System in Colonias Loma Linda and Esperanza in Mexicali, B.C.	7,264	586,726
7	Expansion of the Wastewater Collection System in Avenidas "B" in San Luis Rio Colorado, SON	196,169	3,258,520
8	Cotton Valley Wastewater Collection Project in Socorro, TX	46,111	1,246,466
9	Rehabilitation of the Wastewater Collection Main Lines and Residential Wastewater Connections in Tijuana, B.C.	604,280	2,398,190
TOTAL		\$ 3,053,182	

During the last three months of 2019, the Bank disbursed US\$3.15 million in BEIF grants for the implementation of nine projects in implementation.

In 2019, BEIF grants totaling US\$14.16 million were approved for six projects, grants agreements totaling US\$10.53 million were signed with the sponsors of six projects, and US\$10.72 million was disbursed to support 13 projects in implementation. The overall status of BEIF program funding as of December 31, 2019, is summarized in Table 9.

Table 9
BEIF PROGRAM FUNDING STATUS
(Million USD)

	2019	Cumulative
EPA funding allocations ¹	\$ 13.30	\$ 721.33
Funds allocated for administration	2.32	(31.56)
Grants approved for projects ²	14.63	(677.35)
Grant cancellations in 2019 ³	(4.85)	4.85
Funding available for future projects		\$ 17.27

1. The cumulative figure Includes US\$329,029 in interest earned.
2. Cumulative figure less grant cancellations from prior years, except those in 2019.
3. Unused funds deobligated from completed or cancelled projects during the current year.

Project Implementation. Of the 124 projects funded with BEIF grants, 114 were completed and 10 were in various stages of implementation at the end of the quarter. Grant agreements totaling US\$6.00 million for two additional projects were under development and expected to be signed during the first quarter of 2020. Information on the status of certified projects that are currently in the process of being implemented or pending financial closeout as of December 31, 2019, is provided in the Annex. For more detailed information, see the report on Project Implementation Activities for Active Projects, which is available on the NADB website (www.nadb.org).

Projects in Development. At the end of the quarter, there were 19 projects in development: 11 in EPA Region 6 and eight in EPA Region 9.³

All of these projects are eligible to receive support for design and other development activities through the Project Development Assistance Program (PDAP). Additional information on technical assistance awarded to support these projects is provided in Section 3.2 of this report.

As part of the project development process, public meetings are held to support public access to information for projects advancing toward certification.

On December 10, 2019, a second public meeting was held regarding proposed improvements to the wastewater collection and treatment system in Nueva Ciudad Guerrero, Tamaulipas. During the meeting, participants were informed about the proposed funding structure and potential environmental impacts of the project, as well as its technical characteristics. A survey of the 90 residents who attended the meeting indicated that they understood the Project and were in favor of its implementation.



³ EPA Region 6 covers the border states of New Mexico, Texas, Chihuahua, Coahuila, Nuevo Leon and Tamaulipas. EPA Region 9 covers the border states of Arizona, California, Baja California and Sonora.

Based on current information, three projects could potentially be submitted for certification by the Board of Directors during the first quarter of 2020:

- Drinking water project in Vinton, TX;
- Wastewater collection and treatment project in Nueva Ciudad Guerrero, TAM; and
- Wastewater collection project in Ojinaga, CHIH

2.2.3. Water Conservation Investment Fund (WCIF)

This grant program was terminated in 2013 following the creation of CAP. At the end of 2019, one project funded through the WCIF was still in the implementation phase. The grant agreement for the project totals US\$989,832, of which 90% (or US\$894,238) has been disbursed, leaving approximately US\$95,594 in grant funds pending disbursement or financial closeout.

3. Technical Assistance

3.1. NADB Technical Assistance Program (TAP)

To support project sponsors and border communities in the development of sustainable projects, NADB offers various types of technical assistance in three categories: project development, institutional capacity building and sector studies to identify needs and generate knowledge about a new sector or technology.

During the fourth quarter of 2019, no new technical assistance projects were approved for funding; however, one previously approved study was completed.

Paving and Green Infrastructure Designs in Hermosillo, Sonora. Through this project, NADB supported the development of final designs for the paving of five roadways in the city and a conceptual landscape design for approximately 50 hectares (123.5 acres) of the metropolitan park, as well as updated the strategic storm water plan. In collaboration with the Hermosillo Municipal Institute of Urban Planning (IMPLAN), the project successfully incorporated elements of green infrastructure into urban designs, taking into consideration the existing infrastructure and local environment (rainfall, native vegetation, topography, etc.), as well as current regulations and specifications for roadway and water system construction. Introducing green modifications into conventional roadway designs and other urban structures supports connectivity with residential areas, while also serving as a component of sustainable water systems.

As of December 31, 2019, there were five studies in process with a total TAP grant commitment of US\$676,050.

3.2. Project Development Assistance Program (PDAP)

NADB administers this EPA-funded program to assist communities in the development of water and wastewater projects that have been prioritized by EPA to receive BEIF grants.

During the last quarter of 2019, US\$171,171 in PDAP grants were awarded to support the development of two projects.

Community / Sponsor	Project Development Activity	Amount (USD)
1 Carrizo Springs, TX	Water audit for a water system improvements project	\$ 89,830
2 Willcox, AZ	Water audit and rate study for the wastewater project	81,341
TOTAL:		\$ 171,171

During the quarter, studies or other development activities were completed for six projects.

- *Gustavo Diaz Ordaz, Tamaulipas*. Final designs were developed to improve and expand the wastewater collection system and construct a lagoon-based wastewater treatment plant, which included a system to capture methane emissions and convey them to a burner for conversion to carbon dioxide, which is 21 times less polluting than methane with respect to its impact as a greenhouse gas.
- *Mexicali, Baja California*. The local utility, *Comisión Estatal de Servicios Públicos de Mexicali* (CESPM), is developing projects to rehabilitate 17 lift stations and 57 miles of deteriorated or collapsed sewer mains that indirectly discharge untreated wastewater to the New River. A transboundary environmental study was developed to support compliance with the U.S. National Environmental Policy Act (NEPA), which is required to obtain an EPA-funded BEIF grant. Since the proposed project will help prevent contamination of the New River and Salton Sea in El Centro, CA, in December 2019, EPA issued a categorical exclusion, indicating that no environmental assessment was necessary.
- *Nueva Ciudad Guerrero, Tamaulipas*. Final designs were developed to improve and expand the wastewater collection system and construct a lagoon-based wastewater treatment plant, which included a methane conversion system. In addition, an environmental impact statement and technical support study were developed to support compliance with the Mexican environmental clearance process. The Mexican Ministry of Environment and Natural Resources (SEMARNAT) authorized the project in October 2019.
- *Tijuana, Baja California*. The local utility, *Comisión Estatal de Servicios Públicos de Tijuana* (CESPT), is developing projects to rehabilitate four lift stations and about 62 miles of deteriorated or collapsed sewer mains that indirectly discharge untreated wastewater to the Tijuana River. A transboundary environmental study was developed to support compliance with NEPA regulations in the U.S., which is required to obtain an EPA-funded BEIF grant. Since the proposed project will help prevent contamination of the Tijuana River and beaches in San Diego County, CA, in December 2019, EPA issued a categorical exclusion, indicating that no environmental assessment was necessary.
- *Tijuana, Baja California*. In coordination with EPA, the U.S. Section of the International Boundary and Water Commission (IBWC), the Mexican Section of the International Boundary and Water Commission (CILA), the Mexican National Water Commission (CONAGUA), and the Tijuana water utility (CESPT), a study was carried out to identify the best alternatives for adequately managing flows in the Tijuana River to decrease adverse water quality impacts to the Pacific Ocean. More details about the study and its results are provided in Section 3.4 of this report.
- *Vinton, Texas*. An environmental assessment of the wastewater collection project was developed to support compliance with NEPA requirements which is required to obtain an EPA-funded BEIF grant. In April 2018, EPA published an Environmental Assessment and

Finding of No Significant Impact (FONSI) for the project. Assistance was also provided to promote public participation in the development process.

As of December 31, 2019, there were 10 PDAP-funded studies in process with a total grant commitment of US\$1.46 million for the development of 10 water and/or wastewater projects.

3.3. U.S.-Mexico Border 2020 Program

This binational program, developed by EPA and its Mexican counterpart, *Secretaría de Medio Ambiente y Recursos Naturales* (SEMARNAT) to improve the environment and protect the health of the millions of residents within 100 kilometers of both sides of the U.S.-Mexico border, focuses on initiatives for clean air, safe drinking water, reduced risk of exposure to hazardous waste, emergency preparedness and environmental stewardship. NADB provides logistical and administrative services with respect to identifying, contracting and managing projects and workshops funded by EPA under the program.

During the last quarter of 2019, five initiatives funded through the Border 2020 Program were concluded.

Reduction of Disposable Plastic Bags in Tijuana, B.C. The purpose of this initiative sponsored by the Southwest Wetlands Interpretative Association (SWIA) was to reduce pollution of the Tijuana River and Pacific Ocean by promoting actions aimed at reducing the use of disposable plastic shopping bags. A comprehensive work plan was developed to disseminate information to the general public regarding the environmental impacts caused by disposable plastic bags, as well as to gain the active participation of civil associations, the city government and local businesses.

Public service announcements were made through 113 regional, national and international media channels, reaching more than 22,000 residents in Tijuana and Tecate. Through a cooperative agreement with the City of Tijuana, 500 employees of local stores received training, 11,630 reusable bags were distributed to residents, and 12 businesses were evaluated during the



Sediment and trash in Los Laureles Canyon, Tijuana, B.C.



Displays of reusable bags

transition process. Among the success stories reported during the initiative, Sears-Dax stopped providing plastic shopping bags in 25 stores in Baja California, while OXXO with 6,000 convenience stores in Mexico completely eliminated plastic bags in all its stores at the start of 2019. In addition, training was provided to the staff of the Municipal Commission of the Environment and Sustainable Development in both Tijuana and Tecate. As a result, the environmental protection regulations have been updated in Tijuana and are in the process of being updated in Tecate, to include guidelines for promoting the reduction of disposable plastic bags.

The impact of the project is ongoing, as a cooperative agreement with the City of Tecate is in the process of being signed using the same model applied in Tijuana, and the Tijuana River Estuarine National Research Reserve plans to include activities related to continued training and awareness campaigns in its Coastal Training budget.

Building Joint Advanced Emergency Response Capacity in the Arizona-Sonora Border Region Phase II. Between 2000 and 2013, approximately 200 chemical emergencies in the border areas of Sonora were reported to the Mexican environmental enforcement agency (PROFEPA). Between 2014 and 2016, 28 such incidents occurred, mostly related to spills and leaks of oil, gasoline, diesel, sulfuric acid, ammonia, chlorine, fuel oil and liquid petroleum gas. There are approximately 200 industrial facilities or *maquiladoras* in Arizona-Sonora border region, most of which had not received training on the binational sister cities emergency response plans.⁴



HAZMAT training course in Agua Prieta, SON

Through this initiative the Hazardous Materials Training Institute was implemented in collaboration with Arizona State University (ASU) and the Instituto Tecnológico de Nogales (ITN). The institute provides training courses on how to conduct emergency response exercises, as well as trains maquiladora safety managers and emergency response personnel on the activation and use of the Sister City Emergency Response Plan in their area. During three two-day enhanced courses held at maquiladoras in Nogales, Agua Prieta and San Luis Rio Colorado, Sonora, a total of 142 persons were trained, including personnel from *maquiladoras*, the Arizona Department of Environmental Quality (ADEQ), PROFEPA, fire departments, police departments, civil protection associations, the Red Cross and 911/C4 committees. Moreover, during the 2018-2019 academic year, ITN trained 500 students on related topics.

Climate and Air Quality Network in Ciudad Juárez, CHIH. Through this initiative sponsored by the Universidad Autónoma de Ciudad Juárez (UACJ), a regionalized air quality alert system was created for the city using digital platforms and four low-cost, air quality monitoring stations were

⁴ A “maquiladora” is a foreign-owned factory in Mexico at which imported parts are assembled into products for export.

developed and deployed close to populated areas. The data gathered from the air quality monitors is loaded into databases at the institutional repository of UACJ and is available for public access (<http://erecursos.uacj.mx/handle/20.500.11961/1689>). Time-stamped weather and air quality data will allow academic researchers and the general public to associate pollution and health issues with basic weather variables, as well as estimate health costs related to poor air quality in the Ciudad Juarez area.

The availability of low-cost air quality monitors also provides an opportunity to generate baselines for studies in other areas of the air basin that do not have immediate access to reference stations for environmental monitoring. Moreover, this project helped consolidate and motivate a binational work group to improve the collection of meteorological data in the region. The Laboratory of Climatology and Air Quality has been strengthened and today is an important reference for environmental management in the Paso del Norte region.



Low-cost monitors

Health and Environmental Risks from Agrochemicals in Border Region of Tamaulipas. According to the State Plant Health Committee of Tamaulipas, farmers in the region routinely rinse agrochemical containers in streams or ponds, as well as dispose of the containers by burning them in open fields or tossing them in canals or rivers, where they eventually end up in the Gulf of Mexico. This project consisted of raising awareness among farmers about the use of agrochemicals and their final disposal, including warnings about the consequences to the fishing industry of dumping used pesticides and rinsing their containers in transnational river basins or channels connected to the Rio Grande. The project also encouraged the use of natural fertilizers instead of the excessive use of agrochemicals to prevent their chemical compounds from reaching the atmosphere.

Meetings with state and local stakeholders, including the Tamaulipas state animal and plant health protection bureau, the Mexican Ministry of Agriculture, Ranching, Rural Development, and Fishing and Food (SAGARPA), municipal rural development agencies and farmers' associations, were held to develop and coordinate strategies for improvement. As part of the project, 50 farmers and local officials were interviewed to determine the current management of



Farmer survey in Reynosa, TAM *Temporary collection center in Matamoros, TAM*
agrochemicals and their final disposal. Workshops were held to educate local farmers on the environmental impact of agrochemical packaging in illegal dumps and water bodies and the health risks associated with the use of agrochemicals, such as skin cancer. The "Clean Fields" program was also reactivated to collect empty containers.

A Small-Scale Solar Implementation Project in Nogales, AZ and Nogales, SON. Through this project sponsored by the University of Arizona in Tucson, a small-scale solar technology demonstration site (EcoCasa) was developed in Nogales, Sonora, and a bilingual website was created that provides information on the technology and performance of the photovoltaic system. Bilingual outreach materials are available locally at: nogales-ecocasa.com.



Installation of solar panels on the roof of EcoCasa

Much attention in the region has focused on utility-scale solar projects designed to serve industrial and commercial interests. This project, in contrast, was designed to focus on the implementation of small-scale solar plants appropriate for households with modest incomes, as well as to collect and synthesize local and region information about the feasibility, costs, benefits, and cross-border opportunities and challenges of installing small solar plants.



Overseeing installation of environmental monitors

The project objectives were achieved by establishing a project advisory board to serve as a forum for bringing together representatives of organizations with interest and experience in solar energy in the two cities, interviewing solar energy providers, and developing and piloting workshops and materials on solar energy. Surveys were also developed and administered to assess interest, knowledge, and experience of the workshop participants.

As of December 31, 2019, there were 11 Border 2020 initiatives in process with a total grant commitment of US\$618,173.

TABLE 11: SUMMARY OF TECHNICAL ASSISTANCE ACTIVITY 2015-2019

(Thousand USD)

	2019	2018	2017	2016	2015
NADB Program¹					
Funding					
Approved	\$ 586	\$ 620	\$ 1,167	\$ 972	\$ 1,931
Disbursed	262	251	1,275	1,342	2,277
Activities					
Approved ²	4	5	18	18	35
Studies completed	3	6	14	14	1
Seminars/workshops held	2	-	7	14	13
Project Development Assistance Program³					
Funding					
Approved	\$ 1,036	\$ 661	\$ 1,030	\$ 788	\$ 1,016
Disbursed	977	617	867	761	1,311
Activities⁴					
Approved	11	5	11	10	8
Completed	8	6	10	8	10
U.S.-Mexico Border 2020 Program³					
Funding (US\$ thousands)					
Approved	\$ 140	\$ 988	\$ 335	\$ 761	\$ 759
Disbursed	542	412	378	1,034	747
Activities⁵					
Approved	3	21	6	20	15
Completed	11	7	14	18	24

¹ Prior to the merger, this program was funded jointly by NADB and the Border Environment Cooperation Commission (BECC) (2015-2017).

² Includes project development studies and related activities, seminars and capacity-building initiatives, and other sector studies to identify needs and generate knowledge about a new sector or technology.

³ Program funded with grants from the U.S. Environmental Protection Agency (EPA). Figures reflect activity under BECC administration prior to merger and under NADB administration following merger on November 10, 2017. Disbursements exclude administrative expenses.

⁴ Includes project development studies and related activities, such as final design.

⁵ Includes studies and workshops on topics related to clean air, safe drinking water, reduced risk of exposure to hazardous waste and emergency preparedness.

3.4. Collaborative Initiatives and Funding Partnerships

In carrying out its mission, NADB pursues partnerships with other public and private organizations in an effort to promote environmental initiatives and projects on the border and identify additional support for their development and implementation.

Coordinated Efforts to Eliminate Transboundary Wastewater Flows in Naco, Sonora

NADB has been working closely with the Municipality of Naco, Sonora, and the Arizona Department of Environmental Quality (ADEQ), as well as the Mexican Section of the International Boundary and Water Commission (CILA), the U.S. Section of the International Boundary and Water Commission (IBWC), the Mexican National Water Commission (CONAGUA), the Sonora state water agency (CEA) and EPA on a variety of measures aimed at mitigating and permanently eliminating transboundary wastewater discharges to the United States. As a result of these coordinated efforts, there have been no transboundary sewage spills since November 2018.

NADB continues to work with the Naco water utility (OOMAPAS) to identify a long-term solution for adequate wastewater collection, conveyance and treatment services. NADB has authorized PDAP funding for a system assessment and alternatives analysis. Coordination with EPA, OOMAPAS, CILA, IBWC, CONAGUA, CEA and ADEQ to develop the terms of reference for the study concluded during the last quarter of 2019, and bidding to procure the study is expected to begin in the first quarter of 2020. Any further advancement in the project will be reported in the project development section.

Tijuana River Diversion Needs Assessment and Analysis of Alternatives

Launched in May 2018, this study was overseen by NADB in coordination with EPA, IBWC, CILA, CONAGUA, and the Tijuana water utility (CESPT), who formed the Core Stakeholder Group. The purpose of the study was to identify the best alternatives for adequately managing flows in the Tijuana River to decrease adverse water quality impacts to the Pacific Ocean. The complete report was finalized and presented at a U.S. stakeholder meeting coordinated by EPA on August 26th in Imperial Beach, California.

Stakeholders from both the U.S. and Mexico continue to coordinate domestically and binationally to evaluate technical options and define critical administrative, legal and financial aspects of implementing infrastructure to reduce transboundary flows from the Tijuana River. CESPT submitted applications to the BEIF/PDAP prioritization process for the rehabilitation or replacement of several aging and deteriorated wastewater sewer mains, as well as for a project to improve the Tijuana River diversion infrastructure, which reflects the investment options included in the study. The federal government in Mexico has also committed funding to address inadequate wastewater infrastructure resulting in transboundary flows. Any further advancement in the project will be reported in the project development section.

4. Results Measurement

4.1. Project Closeout Reports

The final stage of project implementation is the closeout process, which serves to assess and document the achievement of the fundamental objectives of a project with respect to the investments made and the infrastructure built, or equipment and services provided. In addition, the closeout report provides important feedback on lessons learned and best practices to be applied to future projects.

During the last quarter of 2019, three closeout reports for five projects funded with loans were completed and delivered to the Board.

	Project	Certification Date	Construction Completion Date
1	Two Sol Orchard Solar Projects in Ramona, California	September 2013	June 2014
2	Two Sol Orchard Solar Projects in Valley Center, California	September 2013	June 2014
3	Construction of the South-South Wastewater Treatment Plan in Ciudad Juarez, CHIH	December 2009	October 2018

During 2019, a total of nine closeout reports were finalized for 11 loan projects. Reports for six projects funded with loans and two projects funded with NADB grants were in process at the end of the year.

In the case of BEIF-funded projects, closeout reports for eight projects in Region 6 and four projects in Region 9 were in process at the end of the year.

To date, closeout reports for 114 projects have been finalized and delivered, either to the Board in the case of NADB-funded projects, or to EPA, in the case of BEIF-funded projects.

4.2. Impact Assessment

NADB performs an impact assessment on select projects to evaluate their long-term environmental and human health impacts, as well as to identify opportunities for improving the project development process. To date, four impact assessments covering several water-related projects in 12 border communities have been completed, and the corresponding reports have been published on the NADB website.

For its next impact assessment, NADB plans to evaluate two public transportation projects aimed at improving air quality by facilitating the purchase of low-emission buses throughout the Mexican border region. To date, the Border-wide Public Transportation Improvement Program in Mexico certified in 2014 as a pilot program and the Border-wide Program for the Purchase of Low-emission Vehicles in Mexico certified in 2016 have been implemented in eight municipalities in four border states.

In October 2019, NADB initiated the procurement process to contract a consultant to carry out the study; however, the bids came in much higher than anticipated. Consequently, the Bank decided to change the study work plan and have staff play a bigger role in carrying out the study and coordinating certain specialized tasks in various disciplines with consultants.

Table 13
PREVIOUS IMPACT ASSESSMENTS

- 1. Juarez Valley, Chihuahua**
4 wastewater projects constructed between 2009 and 2010 in the communities of Dr. Porfirio Parra, Guadalupe, Praxedis G. Guerrero and El Porvenir.
 - 2. Baja California**
21 wastewater projects constructed between 2001 and 2013 in the communities of Mexicali, Playas de Rosarito, Tecate and Tijuana.
 - 3. El Paso County, Texas**
A water and wastewater collection project completed in 2003 in the communities of Socorro and San Elizario.
 - 4. Nogales, AZ and Nogales, SON**
Wastewater projects implemented in the sister cities of Nogales, AZ (completed in 2009) and Nogales, SON (completed in 2010) evaluated in a binational context.
-

5. NADB Profile



NADB is a binational financial institution established and capitalized by the Governments of the United States and Mexico to provide financing to support the development and implementation of infrastructure projects, as well as to provide technical and other assistance for projects and actions that preserve, protect or enhance the environment in order to advance the well-being of the people of the United States and Mexico.

Pursuant to its charter, NADB works closely with border communities, state agencies and other entities to develop affordable and self-sustaining projects in the areas of potable water, wastewater treatment and solid waste management, as well as projects aimed at improving air quality, conserving water, reducing energy consumption and developing renewable energy sources, among others, located within 100 kilometers (about 62 miles) north or 300 kilometers (about 186 miles) south of the international boundary between the two countries. Each project must pass through a public participation and certification process in order to be considered for financing from NADB.

As a development bank, NADB offers various types of technical assistance and financial services to support border communities in the planning and design of sustainable environmental infrastructure projects, as well as to strengthen the institutional capacities of those responsible for implementing and operating the projects in the long term.

For more information, visit our website at www.nadb.org.

ANNEX
ACTIVE PROJECTS BY STATE

DECEMBER 31, 2019



NORTH AMERICAN DEVELOPMENT BANK
ACTIVE PROJECTS BY STATE
December 31, 2019

Project	Population to Benefit ¹	Certification Date	Total Cost	Total NADB Funding (Million USD)			Construction Phase ²			
				Approved	Contracted	Disbursed	Pre-const.	Construct.	Complete	
UNITED STATES										
ARIZONA										
1	1 Douglas (Bay Acres)	WW	17,378	17-Nov-16	19.89	7.48	7.48	6.96	1	
2	2 Nogales (Peña Blanca)	WW	1,262	8-Nov-18	0.50	0.45	0.45		1	
3	3 Whetstone	W	940	19-Jun-18	0.71	0.50	0.50		1	
4	4 Willcox	WW	3,757	14-May-15	16.51	4.70	4.70	4.47	1	
	TOTAL ARIZONA		23,337		37.61	13.12	13.12	11.43	2	2 0
CALIFORNIA										
5	1 SEPV Solar (Dixieland)	SE	6,436	15-Nov-16	Reserved	11.00	11.00	9.66		1
	TOTAL CALIFORNIA		6,436		0.00	11.00	11.00	9.66	0	0 1
NEW MEXICO										
6	1 Anthony	WW	8,700	6-May-16	4.54	3.39	2.81	2.33	1	
7	2 Mesilla	W	1,450	23-Nov-15	0.76	0.42	0.42	0.42		1
8	3 Sunland Park/Santa Teresa (WWTP)	WW	6,438	23-Apr-15	12.70	9.00	9.00	8.92		1
	TOTAL NEW MEXICO		16,588		18.00	12.81	12.23	11.67	0	1 2
TEXAS										
9	1 Brownsville	WW	2,630	24-Nov-15	29.74	2.97	2.97	2.97		1
10	2 Cameron Irrigation District No. 6	WC		16-Dec-08	1.98	0.99	0.99	0.89	1	
11	3 El Paso County (Vista del Este)	W	1,068	17-Nov-16	1.56	0.50	0.50		1	
12	4 Marathon (2)	WW	546	9-Nov-17	2.20	2.20	2.20	1.62	1	
13	5 Maverick County	SW	54,258	30-May-19	3.45	2.91	2.91	2.91		1
14	6 North Alamo WSC (Hidalgo County)	WW	1,616	16-Jun-16	11.78	1.59	1.59	1.59		1
15	7 Socorro (Cotton Valley)	WW	233	3-Dec-14	1.25	1.25	1.25	1.25		1
16	8 Tornillo (2)	W/WW	3,500	28-Aug-14	3.75	3.75	3.75	3.47	1	
	TOTAL TEXAS		63,851		55.71	16.16	16.16	14.70	0	4 4
16	TOTAL U.S.		110,212		128.60	53.09	52.51	47.45	2	7 7

ACTIVE PROJECTS BY STATE

NADB QUARTERLY REPORT
DECEMBER 31, 2019

Project	Population to Benefit ¹	Certification Date	Total Cost	Total NADB Funding (Million USD)			Construction Phase ²				
				Approved	Contracted	Disbursed	Pre-const.	Construct.	Complete		
MEXICO											
BAJA CALIFORNIA											
1	1 Mexicali (Col. Loma Linda/Esperanza)	WW	2,230	3-Dec-14	1.36	0.59	0.59	0.59		1	
2	2 Playas de Rosarito	BUI	90,688	14-May-15	14.56	13.65	13.65	13.65		1	
3	3 San Quintin	W	86,414	8-Mar-18	48.20	36.61	36.61		1		
4	4 Tijuana y Rosarito	W/WW	1,373,931	21-Jul-09	29.75	15.32	15.32	12.08		1	
5	5 Tec.-La Gloria WWTP	WW	187,036	1-Feb-11	8.23	4.13	4.13			1	
6	6 Tijuana WW 2014	WW	524,908	3-Dec-14	7.05	4.21	4.21	4.21		1	
7	7 Tijuana (Poniente)	WW	86,950	9-Nov-17	3.01	1.52	1.52	1.16		1	
8	8 Tijuana (Poniente 1A)	WW	87,000	30-May-19	6.46	2.42	2.42	0.72		1	
	TOTAL B.C.		1,553,263		103.35	74.32	74.32	32.40	1	4	3
CHIHUAHUA											
9	1 Ahumada	SW	11,457	16-Jun-16	0.29	0.30	0.30	0.21		1	
10	2 Chihuahua	WW	809,232	14-Nov-19	14.69	11.23	11.23		1		
11	3 Cd. Juarez (South-South)	WW	180,000	10-Dec-09	34.38	16.42	16.42	16.42		1	
12	4 Colonia Esperanza	WW	1,267	28-Sep-07	2.18	0.43	0.43	0.43		1	
13	5 Loma Blanca	WW	4,933	9-Nov-17	1.74	0.63	0.58	0.19		1	
14	6 Madera	SW	17,050	16-Jun-16	0.29	0.30	0.30	0.22		1	
15	7 Nuevo Casas Grandes	SW	59,337	16-Jun-16	0.50	0.50	0.50	0.45		1	
16	8 Santa Maria Solar (Galeana)	SE	195,340	22-Jun-17	Reserved	30.00	30.00	27.25		1	
	TOTAL CHIH.		457,927		54.08	59.80	59.76	45.16	1	4	3
COAHUILA											
17	1 Reg. 5 Manantiales	SW	77,800	16-Jun-16	0.55	0.50	0.50	0.41		1	
	TOTAL COAH.		77,800		0.55	0.50	0.50	0.41	0	1	0
NUEVO LEÓN											
18	1 El Mezquite Wind (Mina)	WE	432,965	27-Jun-17	Reserved	74.10	74.10	74.00		1	
	TOTAL N.L.		432,965		0.00	74.10	74.10	74.00	0	1	0
SONORA											
19	1 Don Diego Solar (Benjamin Hill)	SE	186,056	14-Nov-19	Reserved	100.00	100.00	100.00		1	
20	2 Nogales (SW colonias)	W/WW	16,701	17-Nov-16	10.48	5.26	5.26	0.77		1	
21	3 Orejana Solar (Hermosillo)	SE	175,417	7-Jul-17	Reserved	26.75	26.75	24.25		1	
22	4 Puerto Libertad Solar (Pitiquito)	SE	477,196	8-Mar-18	Reserved	65.99	65.99	65.99		1	
23	5 San Luis Río Colorado (4)	WW	14,023	8-May-14	6.91	3.26	3.26	3.26		1	
	TOTAL SON.		869,393		663.48	201.26	201.26	194.27	0	4	1

ACTIVE PROJECTS BY STATE

NADB QUARTERLY REPORT
DECEMBER 31, 2019

Project	Population to Benefit ¹	Certification Date	Total Cost	Total NADB Funding (Million USD)			Construction Phase ²			
				Approved	Contracted	Disbursed	Pre-const.	Construct.	Complete	
TAMAULIPAS										
24	1	Camargo	WW	8,819	19-Jun-18	3.43	2.53	2.53	1.23	1
25	2	Delaro Wind (Reynosa)	WE	226,219	14-Nov-19	Reserved	50.00	32.00		1
26	3	Gustavo Diaz Ordaz	WW	12,354	30-May-19	8.55	4.51	4.51		1
27	4	José Silva Sánchez (Soto la Marina)	W	135	19-Jun-18	0.26	0.25	0.25	1	
28	5	Reynosa (2)	WW	266,853	6-May-16	15.66	7.08	7.08	5.95	1
29	6	Vicente Guerrero Wind (Güémez)	WE	224,287	8-Feb-17	Reserved	30.00	30.00	30.00	1
		TOTAL TAMP.		512,448		411.27	94.37	76.37	37.18	2 4 0
MEXICAN BORDER REGION										
30	1	Mercader Pilot Program	PT		24-Jun-14	13.55	12.62	12.62	10.91	1
31	2	Mercader Bus Program	PT		13-Sep-16	76.02	67.15	67.15	58.78	1
		TOTAL MX Border				89.56	79.77	79.77	69.69	0 2 0
31		TOTAL MEX.		3,903,796		1,784.00	584.13	566.08	453.12	4 20 7
47		TOTAL NADB		4,014,008		1,912.60	637.22	618.59	500.57	6 27 14

1 Populations benefiting from more than one project are only counted once.

2 Projects in development are either under final design, in preparation for bidding or in bidding. Projects that have completed construction may still be considered active because financing is still in process (pending disbursement or deobligation).

AQ = Air quality; BUI = Basic urban infrastructure; EE = Energy efficiency; ENE-B = Energy from biogas; PT = Public transportation; SD = Storm drainage; SE = Solar energy; SW = Solid waste; W = Water; WC = Water conservation; WE = Wind energy; WW = Wastewater; WWTP = Wastewater treatment plant