



# 2023 Green Bond Impact Report



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# Message from Management

On behalf of the entire staff of NADBank, we are pleased to present the 2023 Green Bond Impact Report. For thirty years, the North American Development Bank (NADBank) has remained committed to its mission of investing in infrastructure projects that enhance environmental conditions and the quality of life in the U.S.-Mexico border region. During that time, the Bank has financed 310 projects benefitting more than 19 million people by improving or providing first-time access to drinking water and wastewater services or trash collection and its proper disposal, as well as reducing carbon emissions and improving air quality through more efficient mobility and renewable power generation.

To date, NADBank has issued three green bonds in international markets for a total of US\$478 million, which have been used to finance projects in renewable energy, energy efficiency, sustainable water and wastewater management, and pollution prevention. Collectively, these investments are expected to displace over 2.5 million tons of carbon dioxide (CO<sub>2</sub>) emissions annually and provide enhanced environmental services to over one million residents.

Since the first green bond issuance in 2018, we have worked to align the Bank with evolving green finance principles and best practices. In 2024, the Bank migrated to a new Sustainable Financing Framework, further strengthening its commitment to sustainability and green financing solutions, as well as ensuring its responsiveness to best practices. This latest framework will steer NADBank's leadership in sustainable development and future growth in green finance.

In this fifth report, the Bank continues its work of measuring and reporting the impact of its investments. In line with the International Capital Markets Association Green Bond Principles and NADBank's own standards, it provides a comprehensive overview of the projects funded, their environmental impacts and alignment with the United Nations Sustainable Development Goals (SDGs) and the Nationally Determined Contributions (NDC) of the U.S. and Mexico. These efforts reflect our commitment to transparency and industry standards.

As part of ongoing improvements, this report includes actual project impacts, replacing the anticipated impacts used previously. Actual impacts are based on the NADBank Results Measurement System, which assesses the actual achievements and performance of the projects against the outputs and outcomes anticipated during project development. This enhancement reflects the Bank's capacity to track and measure both operational and environmental performance throughout the life of a project and underscores our dedication to delivering measurable and verifiable results.

Although challenges remain, over the past 30 years, the U.S. and Mexico border region has been a success story in sustainable development. It is a source of prosperity and cultural richness for both countries. Looking ahead, there are clear opportunities for investing in basic infrastructure, strengthening climate resilience—particularly in water resource management—and building a greener, more sustainable North American economy. We expect the Bank to continue mobilizing green finance and driving sustainable investments to make the most of those opportunities.



John Beckham  
Managing Director



Salvador López Córdova  
Chief Environmental Officer

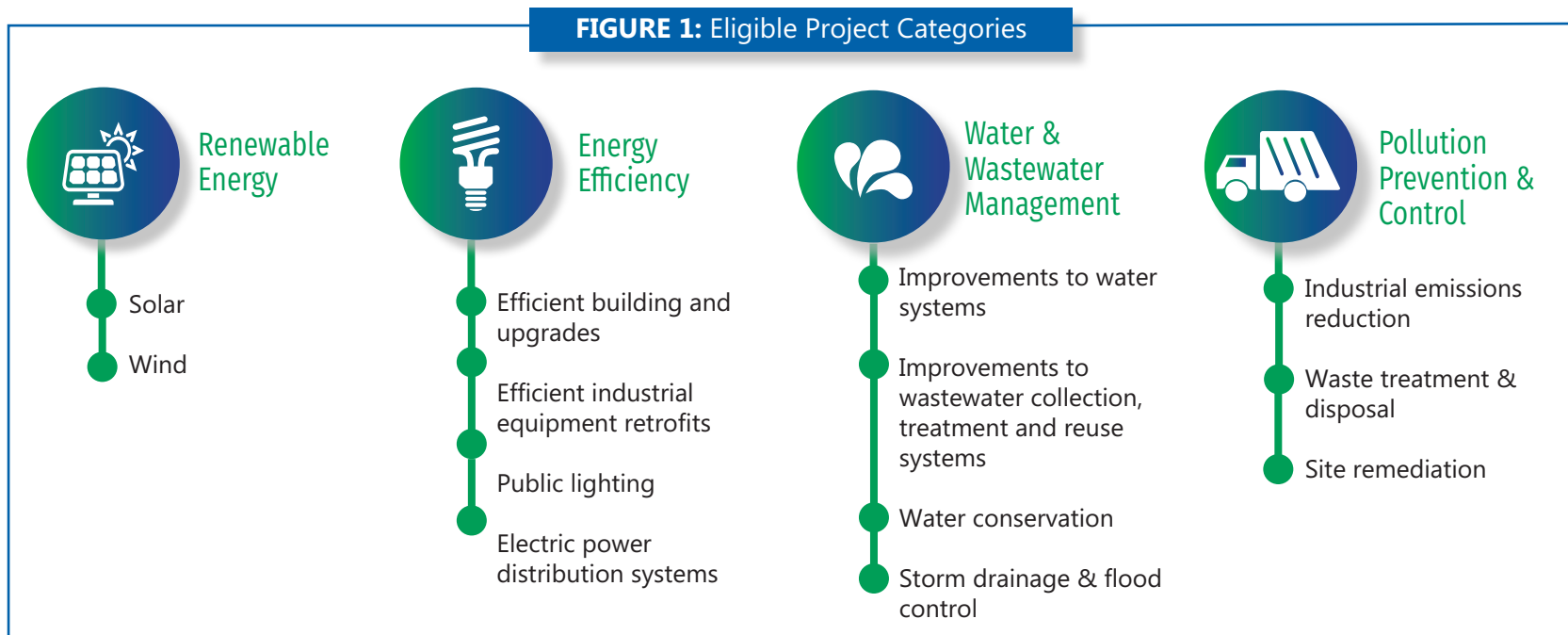
# NADBank Green Bond Program

In July 2018 NADBank issued its first green bond, raising CHF 125 million (equivalent to US\$126 million) and maturing in 2026. The net proceeds from this issuance were fully allocated to six renewable energy projects.

In 2020 the Bank issued two more green bonds: a CHF 180-million bond maturing in 2028 and a CHF 160-million bond maturing in 2033, equivalent to US\$186 and US\$166 million, respectively. As of December 2022, all the proceeds from those two issuances had been allocated to 16 projects.

NADBank's [Green Bond Framework](#), which was first developed in 2018 and was updated in 2020, ensures that all proceeds of the green bonds are managed and allocated to eligible infrastructure projects. The framework is consistent with the Green Bond Principles established by the International Capital Market Association (ICMA) and received a positive [second-party opinion](#) from an independent reviewer.

Projects financed through the program fall into one of the four eligible categories shown in Figure 1.



# Use of Proceeds

**TABLE 1:**  
NADBank Green Bond Allocation Summary

Green Bond Issue	% Allocated	No. of Projects Supported <sup>1</sup>	Greenhouse Gas Emissions Avoided (CO <sub>2</sub> tons/year)	Project Impacts <sup>2</sup>	
				Population Benefitted by Water or Wastewater Service	New Solid Waste Management Capacity (tons/day)
CHF 125M maturing 2026	100	6	1,447,951	-	-
CHF 180M maturing 2028	100	8	1,288,084	809,232	-
CHF 160M maturing 2033	100	9	415,391	17,558	130

<sup>1</sup> Six of the projects received allocations from more than one bond, resulting in a total of 17 projects supported.

<sup>2</sup> Actual impacts of entire project during first year of operation, based on Closeouts Reports, unless otherwise noted.

As of December 31, 2023, renewable energy and energy efficiency made up 91% of the proceeds allocated with US\$436 million in total allocations across all three issuances. The remaining 9% was allocated to water-related projects (8%) and a solid waste management project (1%). Table 2 shows the allocation by sector for each bond issue.

**TABLE 2:**  
Allocation by Sector  
(Million USD, as Of December 31, 2023)

Green Bond Issue	Renewable Energy & Energy Efficiency	Sustainable Water & Wastewater Management	Pollution Prevention & Control	Total Allocation
CHF 125M maturing 2026	\$ 126	\$ -	\$ -	\$ 126
CHF 180M maturing 2028	175	11	-	186
CHF 160M maturing 2033	134	29	3	166
<b>Total</b>	<b>\$ 436</b>	<b>\$ 40</b>	<b>\$ 3</b>	<b>\$ 478</b>

## 1. Green Bond Maturing in 2026

CHF 125 million, equivalent to US\$126 million

All the proceeds of this issue were allocated in 2018 to six renewable energy projects in Mexico and the United States.

**TABLE 3:**  
Green Bond Maturing in 2026  
Summary of Allocation of Proceeds and Impact

Project	Sector	State, Country	Impacts <sup>1</sup>	Bond Allocation	Share of Bond	Bond Share of Project Costs
				Million USD	%	%
SEPV Imperial Solar Park	Renewable energy	CA, USA	CO <sub>2</sub> Emissions Avoided (tons/year) 4,097	\$ 3	2	18
EDPR Wind Farm	Renewable energy	Coah., Mexico	353,929	53	42	15
Puerto Libertad Solar Park	Renewable energy	Son., Mexico	418,371	34	27	9
El Mezquite Wind Farm	Renewable energy	N.L., Mexico	367,601	17	14	5
Orejana Solar Park	Renewable energy	Son., Mexico	155,178	9	7	7
Santa María Solar Park	Renewable energy	Chih., Mexico	148,775	10	8	7
<b>Total</b>			<b>1,447,951</b>	<b>\$ 126</b>	<b>100</b>	

<sup>1</sup> Actual impacts of entire project during first year of operation, based on Closeouts Reports, unless otherwise noted.

## Landfill Expansion Project in Maverick County, Texas

The construction of Cell No. 3 in the El Indio Municipal Solid Waste Facility ensures that the landfill 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. 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. The work included installing a leachate collection system, lining the cell floor and side slopes with a highdensity polyethylene (HDPE) geomembrane and extending access roads to the new cell. As a result of this project, the useful life of the landfill has been extended almost seven years.



## 2. Green Bond Maturing in 2028

CHF 180 million, equivalent to US\$186 million

All the proceeds of this bond were allocated to seven renewable energy projects and one project related to wastewater treatment. The allocation of this issuance spans two years with seven projects receiving funds in 2020 and an eighth project receiving funds in 2021. Five of these projects also received allocations from the 2026 bond.

**TABLE 4:**  
Green Bond Maturing in 2028  
Summary of Allocation of Proceeds and Impact

Project	Sector	State, Country	Impacts <sup>1</sup>		Bond Allocation Million USD	Share of Bond %	Bond Share of Project Costs %
			CO <sub>2</sub> Emissions Avoided (tons/year)	Population Benefitted by Water/ Wastewater Service			
<b>2020 Allocations</b>							
Don Diego Solar Park <sup>2</sup>	Renewable energy	Son., Mexico	169,443		\$ 100	54	77
El Mezquite Wind Farm	Renewable energy	N.L., Mexico	367,601		21	11	7
Santa María Solar Park	Renewable energy	Chih., Mexico	148,775		18	9	12
Orejana Solar Park	Renewable energy	Son., Mexico	155,178		16	8	13
Chihuahua WWTPs <sup>2</sup>	Water	Chih., Mexico	9,583	809,232	11	6	65
SEPV Imperial Solar Park	Renewable energy	CA, USA	4,097		5	3	31
Puerto Libertad Solar Park	Renewable energy	Son., Mexico	418,371		1	1	0.2
<b>2021 Allocations</b>							
El Centro Solar Park	Renewable energy	CA, USA	13,678		14	8	15
<b>Total</b>			<b>1,288,084</b>	<b>809,232</b>	<b>\$ 186</b>	<b>100</b>	

<sup>1</sup> Actual impacts of entire project during first year of operation, based on Closeouts Reports, unless otherwise noted.

<sup>2</sup> Impacts of this project are of the entire project estimated at time of approval, based on corresponding project certification document.  
WWTPs – Wastewater treatment plants



### 3. Green Bond Maturing in 2033

CHF 160 million, equivalent to US\$166 million

Proceeds of this third issuance were allocated between 2020 and 2023 for a total of nine projects. One of these projects also received allocations from the 2028 bond. Details of allocation of proceeds and impacts are shown in the following table.

**TABLE 5:**  
Green Bond Maturing in 2033  
Summary Of Allocation Of Proceeds And Impact

Project	Sector	State, Country	Impacts <sup>1</sup>			Bond Allocation Million USD	Share of Bond %	Bond Share of Project Costs %
			CO <sub>2</sub> Emissions Avoided (tons/year)	Population Benefitted by Water/Wastewater Service	New Solid Waste Management Capacity (tons/day)			
<b>2020 Allocations</b>								
Wildcat energy storage <sup>2</sup>	Energy efficiency	CA, USA	819			\$ 1	1	25
Jim Hogg water project <sup>2</sup>	Water	TX, USA		4,558		4	2	94
Maverick landfill	Solid waste	TX, USA			130	3	2	78
Presidio water project <sup>2</sup>	Water	TX, USA		4,000		2	1	33
<b>2021 Allocations</b>								
Corazon Solar Park	Renewable energy	TX, USA	258,338			63	38	21
El Centro Solar Park	Renewable energy	CA, USA	13,678			37	22	39
Lower Valley Water District project <sup>2</sup>	Water	TX, USA		9,000		23	14	100
<b>2022 Allocations</b>								
EnerSmart energy storage <sup>2</sup>	Energy efficiency	CA, USA	31,100			3	18	25
<b>2023 Allocations</b>								
Zier Solar <sup>2</sup>	Renewable energy & energy efficiency	TX, USA	186,398			31	19	12
<b>Total</b>			<b>415,391</b>	<b>17,558</b>	<b>130</b>	<b>\$ 166</b>	<b>100</b>	

<sup>1</sup> Actual impacts of entire project during first year of operation, based on Closeouts Reports, unless otherwise noted.

<sup>2</sup> Impacts of this project are of the entire project estimated at time of approval, based on corresponding project certification document.

## Zier Solar and Energy Storage Project in Kinney County, Texas

The project consists of the design, construction, and operation of a 160 megawatts in alternating current ( $MW_{AC}$ ) solar park using bifacial monocrystalline photovoltaic modules mounted on single-axis tracking arrays and a 40  $MW_{AC}$ , two-hour battery energy storage system (BESS). Altogether, the project will help prevent the emission of an estimated 186,398 metric tons/year of  $CO_2$ , 132 metric tons/year of  $NO_x$  and 132 metric tons/year of  $SO_2$ . The BESS will also support a more reliable power grid by minimizing power disruptions and reducing energy losses resulting from mismatches in supply and demand.



# Project Evaluation and Selection Process

At NADBank, all projects undergo a thorough certification and approval process that takes into consideration environmental, technical and financial criteria, as well as ensures public access to information. Each project must demonstrate compliance with all applicable environmental regulations, as well as help prevent, control or reduce environmental pollutants, improve the drinking water supply, or protect flora and fauna, so as to improve human health, promote sustainable development or contribute to a higher quality of life.

Projects are approved by the NADBank Board of Directors, which includes representatives from the Mexican Ministry of Environment and Natural Resources (SEMARNAT) and the U.S. Environmental Protection Agency (EPA).

Throughout the approval process, NADBank solicits public feedback to identify potential issues that may need to be addressed. Projects funded by green bonds must also comply with the NADBank Green Bond Framework. Bank specialists review the projects to determine eligibility under the framework. External consultants and risk advisors are engaged as needed.

**FIGURE 2: Green Bond Framework**

NADBank follows a rigorous selection process for projects that can be financed with the proceeds of its green bonds, using its Green Bond Framework. This framework has three key requirements:

- a** The project must contribute to one or more of the high-level objectives of the 2020 Green Bond Principles, which include climate change adaptation and mitigation of its impacts, natural resource and biodiversity conservation, and pollution prevention and control.
- b** The project must fall into one of four sectors: sustainable water and wastewater management, pollution prevention and control, renewable energy or energy efficiency
- c** The project must have had a disbursement within 24 months preceding the issue of the green bond or will be financed within 24 months following the issue date.

The NADBank [Green Bond Framework](#) and the [second-party opinion](#) are available on the Bank's website.

# Management of Proceeds

Proceeds from the green bonds are kept in NADBank's general accounts until they are allocated to projects. NADBank follows its Financial Operating Policy in terms of its required liquidity and investment principles. Our investment portfolio adheres to conservative guidelines, prioritizing security and stability. Investments are made in U.S. Treasuries, issuances of U.S. agencies, Mexican Government securities, or investment-grade corporate notes and bonds rated 'A' or better. This strategy ensures that unallocated proceeds are managed prudently until they are fully utilized for eligible projects.

NADBank maintains a rigorous oversight of the proceeds of the green bonds until these are disbursed to eligible green projects, according to the Green Bond Framework. Funds are tracked monthly, and detailed reports are presented to management on a quarterly basis. This frequent monitoring ensures compliance with internal protocols and guarantees that the proceeds are being used as intended.

# Project Impacts

NADBank estimates the expected impact of the projects to be financed prior to approval and routinely verifies actual project impact after the initiation of operations.

Key indicators are selected and quantified for each project type. Anticipated impacts are based on many well-researched assumptions (such as production rates, state energy matrices and emission factors) and expected project scope.









Through its Results Measurement System, NADBank tracks and evaluates actual project performance and impact with respect to the targets set for environmental results during the approval process. Because of the level of due diligence performed by NADBank during that process, the actual results of most projects are reasonably close to those anticipated at approval. The methodologies, sources and references for estimating impacts are detailed in documents included on each project web page (Table 7 and 8). The Appendix of this report includes a general description of NADBank's certification process, and the due diligence performed for each project before approval of financing.

Table 6 summarizes the environmental outcomes and impacts of the projects supported by our green bonds, links them to the UN Sustainable Development Goals (SDGs) and how the bonds support the two countries in meeting their nationally determined contributions (NDCs) under the Paris Agreement.

Tables 7 and 8 provide the details of each eligible project financed by the green bonds. The projects are organized by project category and the data provided includes the actual project impacts, the green bond allocations and the share of the total project that these allocations represent.

Detailed information for all NADBank-financed projects, including the certification documents, is available on its website.

**TABLE 6:**  
NADBank Green Bonds  
Summary of Environmental Outcomes and Impacts, Alignment with SDGs and Support for NDCs

Environmental Outcomes		Environmental Benefits	SDG Alignment <sup>1</sup>	Support for NDCs	
				U.S. <sup>2</sup>	Mexico <sup>3</sup>
Renewable Energy & Energy Efficiency	💡 Installed capacity - 1,686 megawatts	<ul style="list-style-type: none"> <li>💡 Climate change mitigation</li> <li>💡 Provision of low-carbon infrastructure</li> <li>💡 Affordable and clean energy</li> </ul>		 Projects contribute to U.S. target of pollution-free electricity by 2035	 Projects contribute to Mexican target of 35% renewable energy by 2024
	💡 Annual energy production - 4,324 gigawatt-hours				
	💡 Energy storage - 173.5 megawatts				
	💡 Greenhouse gas emissions avoided - 2,042,368 tons CO <sub>2</sub> /year				
Sustainable Water & Wastewater Management	💧 Drinking water treatment capacity - 44 liter per second (lps)	<ul style="list-style-type: none"> <li>💧 Climate change adaptation and resilience</li> <li>💧 Access to basic water and wastewater services</li> <li>💧 Conservation of water resources</li> </ul>		 U.S. commitments include adaptation without specific targets; projects contribute to adaptation	 Project contributes to Mexican adaptation target to increase wastewater treatment (strategic line D3)
	💧 Wastewater treatment capacity - 2,381 lps				
	💧 Water savings - 346 m <sup>3</sup> /day				
	💧 Population served - 826,790				
Pollution Prevention & Control	🗑️ New solid waste management capacity - 130 tons/day	<ul style="list-style-type: none"> <li>🗑️ Climate change mitigation</li> <li>🗑️ Solid waste pollution control</li> <li>🗑️ Air quality improvement</li> </ul>		 Project contributes to U.S. target of 30% reduction in methane emissions by 2030	N.A.  No project finance activity

<sup>1</sup> UN General Assembly (2015), Transforming our world: the 2030 Agenda for Sustainable Development, <https://www.unfpa.org/resources/transforming-our-world-2030-agenda-sustainable-development>

<sup>2</sup> United States of America (2021), Nationally Determined Contribution under the Paris Agreement, <https://unfccc.int/sites/default/files/NDC/2022-06/United%20States%20NDC%20April%202021%202021%20Final.pdf>

<sup>3</sup> Mexico (2022), Nationally Determined Contribution under the Paris Agreement, [https://unfccc.int/sites/default/files/NDC/2022-11/Mexico\\_NDC\\_UNFCCC\\_update2022\\_FINAL.pdf](https://unfccc.int/sites/default/files/NDC/2022-11/Mexico_NDC_UNFCCC_update2022_FINAL.pdf)

**TABLE 7:**  
Renewable Energy & Energy Efficiency

Project	Country	Description	Impacts <sup>1</sup>			Allocations			Total GB share of project (%)
			Installed capacity (MW)	Energy production (GWh)	CO <sub>2</sub> emissions avoided (ton/yr)	2026 GB MUSD	2028 GB MUSD	2033 GB MUSD	
<a href="#">EDPR Wind Farm</a>	MX	Design, construction and operation of a 199.5-MW wind farm in General Cepeda, Coahuila	200	708	353,929	53			15
<a href="#">Puerto Libertad Solar Park</a>	MX	Design, construction and operation of a 317.5-MW solar park in Pitiquito, Sonora	318	918	418,371	34	1		9
<a href="#">El Mezquite Wind Farm</a>	MX	Design, construction and operation of a 250-MW wind farm in Mina, Nuevo León	250	763	367,601	17	21		12
<a href="#">Santa Maria Solar Park</a>	MX	Design, construction and operation of a 148-MW solar park in Galeana, Chihuahua	148	362	148,775	10	17		20
<a href="#">Orejana Solar Park</a>	MX	Design, construction and operation of a 125-MW solar park in Hermosillo, Sonora	125	335	155,178	8	16		20
<a href="#">SEPV Imperial Solar Park</a>	US	Design, construction and operation of two solar facilities: SEPV Dixieland West (3.0 MW) and SEPV Dixieland East (2.0 MW) in California	5	15	4,097	3	5		49
<a href="#">Don Diego Solar Park<sup>2</sup></a>	MX	Design, construction and operation of a 125-MW solar park in Benjamín Hill, Sonora	125	369	169,443		100		77
<a href="#">El Centro Solar Park</a>	US	Construction, rehabilitation and operation of a 20-MW solar park in El Centro, CA. Replacement of all inverters and upgrade to SCADA system	20	52	15,036		14	37	54
<a href="#">Baywa Corazon Solar Park</a>	US	Design, construction and operation of a 200-MW solar park in Webb County, TX	200	380	182,038			63	21
<a href="#">Wildcat Energy Storage<sup>2</sup></a>	US	Design, construction and operation of the first phase of an energy storage system (1.5 MW charging capacity) in Riverside, California	1.5 <sup>3</sup>		819			1	25
<a href="#">Enersmart Energy Storage<sup>2</sup></a>	US	Design, construction and operation of 44 energy storage systems (132 MW of charging capacity) in San Diego County, California	132 <sup>3</sup>		31,100			2	2
<a href="#">Zier Solar<sup>2</sup></a>	US	Design, construction and operation of a 160-MW solar park and a 40 MWAC, two-hour battery energy storage system in Kinney Cnty, Texas	160 + 40 <sup>3</sup>	414	186,398			31	12

<sup>1</sup> Actual impacts of entire project during first year of operation, based on Closeouts Reports, unless otherwise noted.

<sup>2</sup> Impacts of this project are of the entire project estimated at time of approval, based on corresponding project certification document.

<sup>3</sup> Energy storage capacity.

GB = Green bond; MUSD = Million U.S. dollars

**TABLE 8:**  
Sustainable Water and Wastewater Management & Pollution Prevention and Control

Project	Country	Description	Impacts <sup>1</sup>							Allocations			Total GB share of project (%)	
			Installed capacity (MW)	Energy production (GWh)	CO <sub>2</sub> Emissions avoided (tons/year)	New potable water treatment capacity (lps)	New wastewater treatment capacity (lps)	Water savings (m3/day)	Population benefitted by water or wastewater service	New solid waste management capacity (ton/day)	2026 GB MUSD	2028 GB MUSD		2033 GB MUSD
<a href="#">Potable water improvements in Jim Hogg County, TX</a>	US	Water infrastructure to address natural arsenic and water meters					44	43	4,558				4	94
<a href="#">Potable water improvements in Presidio, TX<sup>2</sup></a>	US	Basic infrastructure services for Las Pampas Colonia						303	4,000				2	33
<a href="#">Lower Valley Water District, water and wastewater improvements in El Paso County, TX<sup>2</sup></a>	US	Improvement and expansion of the water distribution and wastewater collection systems and increased treatment capacity for several small communities				6			9,000				23	100
<a href="#">Wastewater treatment plants + cogeneration in Chihuahua, Chih.<sup>2</sup></a>	MX	Rehabilitation and upgrade of two wastewater treatment plants, with combined capacity of 2,375 lps, and cogeneration facility	1.3	8.5	9,583	2,375			809,232			11		65
<a href="#">Landfill expansion in Maverick County, TX</a>	US	Expansion of landfill to provide capacity for current solid waste generation								130			3	78

<sup>1</sup> Actual impacts of entire project during first year of operation, based on Closeouts Reports, unless otherwise noted.

<sup>2</sup> Impacts of this project are of the entire project estimated at time of approval, based on corresponding project certification document.

GB = Green bond; MUSD = Million U.S. dollars.



# NADBank Financial Summary

NADBank is capitalized by the Governments of the United States and Mexico. As of December 31, 2023, the Bank had US\$6 billion in subscribed capital, of which US\$5.1 billion is callable capital and US\$506 million is paid-in capital.

By issuing debt in international capital markets, NADBank is able to extend its reach and finance more environmental infrastructure projects along the U.S.-Mexico border. At the end of 2023, NADBank had US\$1.1 billion in debt.

Rating agencies recognize the financial strength and stability of the institution, backed by continuous support from its shareholders and the prudent management of credit. Fitch Ratings affirmed NADBank’s rating to AA based on its strong solvency and excellent liquidity profile, while Moody’s Investor Service rates NADBank at Aa1, reflecting its high capital adequacy and strong risk management practices.

At the end of 2023, NADBank had leveraged its US\$506.0 million in paid-in capital into US\$3.2 billion in financing for sustainable infrastructure projects. NADBank has also managed US\$722 million in EPA grants, bringing the total number of projects funded to 306, representing a total investment of US\$11.5 billion.

**TABLE 9:**  
NADBank Total Capital in 2023

	Million USD
Total subscribed capital <sup>1</sup>	\$ 6,000
<i>of which</i>	
Callable capital <sup>2</sup>	5,100
Qualified	2,119
Unqualified	2,981
Paid-in capital	506

<sup>1</sup> *Paid-in capital* consists of cash funds contributed to NADBank by the two governments. *Callable capital* is composed of funds that are pledged to be provided to NADBank from the two countries only if required to meet the Bank’s guarantee obligations or borrowings of funds for inclusion in its capital resources as specified in the charter.

<sup>2</sup> *Qualified* capital shares are subject to the necessary legal requirements of each subscribing country. *Unqualified* capital shares have either been funded or authorized for purchase by the subscribing country.

# NADBank at a Glance

## Who we are

Binational financial institution established in 1994 by the Governments of the United States and Mexico.

## Our mandate

To finance infrastructure projects that preserve, protect or enhance the environment in the U.S.-Mexico border region.

## Key facts

First green binational development bank

- ◆ Bilateral nexus for cooperation on environmental issues in the border region
- ◆ Focus on sustainable development of environmental infrastructure
- ◆ Since 1994:
  - ◇ US\$3.9 billion in loans and grants
  - ◇ 306 projects financed
  - ◇ More than 19.5 million people benefitted
- ◆ Sound banking principles
- ◆ Rigorous certification and approval process
- ◆ Long-time partner with EPA in administering its grant funds
- ◆ AA/Aa1/AAA(mex) credit ratings

## Our sectors

- ◆ Water, solid waste, air quality
- ◆ Sustainable energy
- ◆ Climate change adaptation and resilience
- ◆ Urban development
- ◆ Sustainable buildings and industrial parks
- ◆ Green manufacturing and products

# Appendix

All projects financed by NADBank undergo an internal certification process prior to funding approval. The due-diligence review performed by NADBank as part of this process includes the environmental, technical and financial aspects of the proposed project. Through its Results Measurement System, NADBank estimates the anticipated impacts (benefits) of the project prior to approval, documents expected results as targets in the certification document and upon project completions verifies the actual results through routine monitoring, as well as a formal project closeout process. Because of the thoroughness of the due-diligence process, the actual results of most projects are reasonably close to those estimated as targets during the certification process.

Key indicators are selected and quantified based on the type and purpose of the project. Anticipated impacts are calculated based on the expected project scope and appropriate well-established assumptions, such as detailed census data, state energy matrices and emissions factors at the time of project certification. A detailed explanation of the analysis and due-diligence activities performed for each project, including calculations for setting environmental impact targets, is provided in the project certification document. NADBank maintains a webpage for every project it finances, which contains a copy of the certification document labeled as "Proposal." Tables 7 and 8 of this report include the weblink to each project funded by a green bond.

Below is the list of general references used to obtain the data to calculate environmental impact targets for projects.

## REFERENCES

Census information, including population, household and socioeconomic data:

- ◆ United States Census Bureau, <https://data.census.gov/>
- ◆ Instituto Nacional de Estadística, Geografía e Informática (INEGI), <https://www.inegi.org.mx/app/areasgeograficas/default.aspx#collapse-Resumen>

State energy matrices and emissions factors:

- ◆ U.S. Energy Information Administration, <https://www.eia.gov/electricity/>
- ◆ Centro Nacional de Control de Energía (CENACE), Programa de Desarrollo del Sistema Eléctrico Nacional (PRODESEN), <https://www.cenace.gob.mx/Paginas/SIM/Prodesen.aspx>
- ◆ Sistema de Información Energética (SIE), <https://sie.energja.gob.mx/>

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## **Disclaimers**

Background information only.

The material in this document is general background information about the Bank's activities current at the date of the document. It is information given in summary form and is not intended to be complete for analytical purposes.

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