



# Monterrey Metropolitan Water Fund (FAMM)

CITY OF MONTERREY, NUEVO LEON

The City of Monterrey, home to more than 4 million people, is in a region naturally prone to extreme hydrometeorological events such as hurricanes and droughts. The impact of hurricanes in the city is intensified because the city was built on the banks of the Santa Catarina River, which is part of the San Juan River basin. In extraordinary rainfall events, the Santa Catarina River flows through the metropolitan area of Monterrey causing devastating effects such as those suffered with hurricanes Emily, Gilberto and Alex.

More than 60% of the water used by the metropolitan area of Monterrey comes from the Cumbres de Monterrey National Park, located within the San Juan River basin. There, the loss of vegetation cover and soil erosion affect runoff control. Forest fires and pests, changes in land use and, to a lesser extent invasive species, have also contributed to the degradation of the water sources that supply the City of Monterrey, while also increasing the risk of flooding.

The lack of new sources and volumes of water into the operator's water system, as well as the lack of diversification of sources, increases the vulnerability of the city and the water system, preventing it from having alternatives sources of water during the drought. This makes Monterrey one of the 25 cities in Latin America with the greatest risk of water security.

Given the obvious need to invest in sustainable watershed management to positively impact the economy and welfare of the metropolitan area of Monterrey and its inhabitants, the Monterrey Metropolitan Water Fund (FAMM) emerged in 2013 with the mission of maximizing the environmental services provided by the San Juan River basin. The FAMM's efforts are particularly focused on increasing infiltration and reducing runoff, as well as resilience and climate change adaptation.

#### FOUNDING PARTNERS



## THE POWER TO CONVENE DIFFERENT STAKEHOLDERS AROUND A COMMON GOAL

The FAMM is an example of collaboration between the public, private, academic and civil society sectors who share the same vision: to protect water sources, both surface and groundwater, for the development and sustainable well-being of the population of Monterrey.

The FAMM has more than 40 partners, including the federal government, local governments, state agencies, as well as businesses, non-governmental organizations, civil society and universities. The FAMM's Board is composed by ALFA, ARCA Continental, BANAMEX, BANREGIO, CEMEX, GRUPO CUPRUM, GRUMA, Fondo Mexicano para la Conservación de la Naturaleza, HEINEKEN, FEMSA, The Nature Conservancy and FUNDACIÓN XIGNUX.



### FAMM'S GENERAL OBJECTIVE

- Contribute to achieving and safeguarding the water security of the metropolitan area of Monterrey

### RESULTS AS OF DECEMBER 2018

WATER FUND STAGE	OPERATION
Total Area of Implementation	1,387 ha with reforestation; 2,796 ha under PES; 1,200 ha acquired for conservation; 77ha passive protection; 58ha soil conservation Total: 5,478 ha
Estrategias implementadas	Reforestation, Targeted Land protection, Soil conservation, Payment for Ecosystem, Services (PES)
Families involved	316
Total investment USD\$	\$9,129,220 USD

### SOME CONTRIBUTIONS TO WATER SECURITY

- The FAMM is playing an important role in shaping a better public policy for water security by providing science-based information for better decision making. These efforts have been crystallized in the creation of the 2050 Water Plan of the State of Nuevo Leon. The Nuevo Leon Council and the FAMM were assigned by the Governor of the state to develop the Water Plan. The FAMM reviewed, analyzed and debated all the hydrological policies raised by the different government levels of the state of Nuevo Leon. In addition, the FAMM collaborated with international institutions to develop specialized studies and proposals to improve public water policies.

- The Nuevo León 2050 Water Plan represents an unprecedented effort in which prominent members of the scientific community, the public sector, private entities, civil society groups and environmentalists participated and contributed to

the construction of a long-term vision for water security in Monterrey. This process began in 2016 and will conclude with its publication. The next challenge will be to foster its implementation.



### THE FAMM IS MAKING A MEANINGFUL CONTRIBUTION TO IMPROVE WATER GOVERNANCE OF THE NUEVO LEON STATE

The Monterrey Metropolitan Water Fund (FAMM) is part of the Water Funds created and strengthened by the Latin American Water Funds Partnership.

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