

# QUERÉTARO

# MUNICIPAL

# ECONOMIC

# YEARBOOK

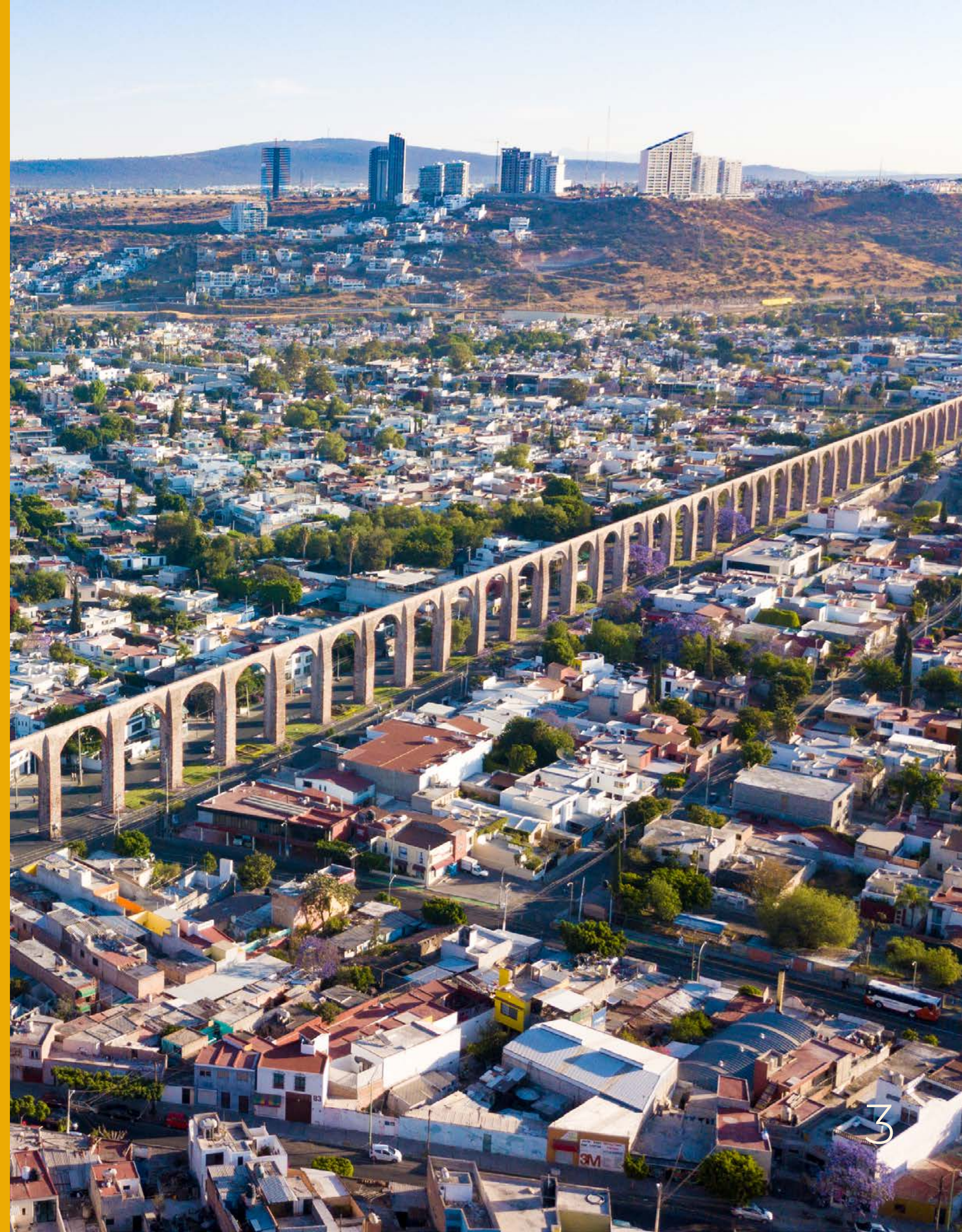
## AXIS 04.

MUNICIPALITY WITH  
QUALITY OF LIFE AND  
FUTURE



QUERÉTARO  
— MUNICIPIO —

# AXIS 04 MUNICIPALITY WITH QUALITY OF LIFE AND FUTURE



# AXIS 04 MUNICIPALITY WITH QUALITY OF LIFE AND FUTURE

## LAND OF WELLNESS

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## 4.1 Municipal public services



To improve the quality of life of the inhabitants, utilities must be efficient, easily accessible, with wide coverage and timely response to all social needs.

The Ministry of Municipal Public Services offers services directly and efficiently to the citizens of the municipality of Querétaro, resolving diverse social needs in accordance with the work of the different departments and coordinations that comprise it. The services provided are:

- Street lighting
- Streets, parks, landscaping and its infrastructure
- Cleaning
- Markets and supply centers
- Operation of cemeteries
- Slaughterhouses



In 2021, 1,177 people were assigned to the different departments that depend on the Ministry of Municipal Public Services, the figure represents a reduction of 0.4% with respect to 2020, just 5 workers less:

MUNICIPAL OPERATING PERSONNEL BY DEPARTMENT, 2020 AND 2021.

DEPARTAMENT	2020	2021
Street lighting	53	53
Public Cleaning	292	290
Quality Control	18	17
Creation of New Infrastructure	13	12
Sanitary Inspection	415	5
Maintenance of Green Areas	5	417
Infrastructure Maintenance	148	147
Municipal Markets	58	53
Cemeteries	30	30
Production	30	81
Human Resources	78	31
Material Resources	31	30
Animal Control Unit (UCAM)	11	11
<b>TOTAL</b>	<b>1,182</b>	<b>1,177</b>

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

## CLEANING AND MAINTENANCE

These are processes that, together with the cleaning up of roads and public spaces, require consistency and continuity. These are conservation and prevention services necessary for cities that aspire to a healthy habitat and competitive insertion in an increasingly globalized regional market.

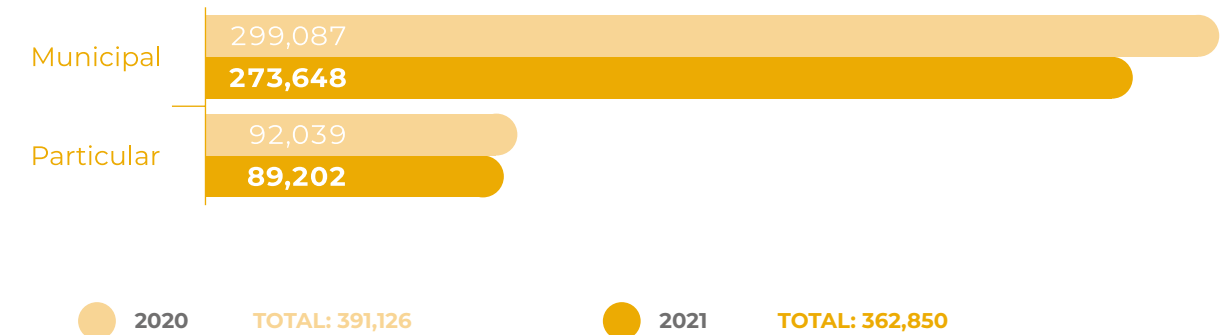
GARBAGE COLLECTION LOGISTICS BY DISTRICT IN THE MUNICIPALITY, 2021.

DISTRICT	ROUTES	NEIGHBORHOODS SERVED	FREQUENCY OF SERVICE
Centro Histórico	19	131	Daily
Epigmenio González Flores	23	176	Alternate days
Josefa Vergara y Hernández	29	114	
Felipe Carrillo Puerto	16	115	
Félix Osores Sotomayor	36	135	
Santa Rosa Jáuregui	18	114	
Villa Cayetano Rubio	8	49	
<b>TOTAL</b>	<b>149</b>	<b>834</b>	

Source: Municipality of Querétaro. Red Ambiental, 2022.

In 2021, 362,850 tons of waste were collected on 149 routes in 834 neighborhoods in the municipality of Querétaro. The amount was 7.2% lower than that of the previous year, with 75.4% being provided by the municipality itself and 24.6% by private individuals.

## SOLID WASTE ENTERING THE MOMPANÍ SANITARY LANDFILL (TONS)



Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

The Municipality of Querétaro carries out conservation work in 8 cemeteries located in the districts of Centro Histórico, Felipe Carrillo Puerto, Félix Osores Sotomayor, Santa Rosa Jáuregui and Villa Cayetano Rubio. In 2021, the percentage of occupancy of the almost 46 thousand graves available reached 88.3%, even though the Santa Rosa and Hércules cemeteries are at their maximum capacity, as detailed in the following table:

PERCENTAGE OF OCCUPANCY IN MUNICIPAL CEMETERIES, 2020 AND 2021.			
DISTRICT	CEMETERY	2020	2021
Centro Histórico	Cimatarío	96.0	87.9
Felipe Carrillo Puerto	Mompaní	96.8	97.1
Félix Osores Sotomayor	San Pedro Mártir	99.8	99.5
	Buenavista	86.4	91.3
Santa Rosa Jáuregui	Jofre	90.4	94.6
	Pintillo	90.2	94.3
	Santa Rosa	100.0	100.0
Villa Cayetano Rubio	Hércules	100.0	100.0

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

CAPACITY AND OCCUPANCY IN MUNICIPAL CEMETERIES, 2021.				
DISTRICT	CEMETERY	CAPACITY	OCCUPATION	AVAILABLE
Centro Histórico	Cimatarío	15,520	11,005	1,515
Felipe Carrillo Puerto	Mompaní	5,940	5,768	175
Félix Osores Sotomayor	San Pedro Mártir	10,095	10,041	54
	Buenavista	3,525	3,217	308
Santa Rosa Jáuregui	Jofre	4,200	3,974	226
	Pintillo	1,820	1,717	103
	Santa Rosa <sup>1</sup>	3,750	3,750	-
Villa Cayetano Rubio	Hércules <sup>1</sup>	1,085	1,085	-
<b>TOTAL</b>		<b>45,935</b>	<b>40,557</b>	<b>2,381</b>

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

<sup>1</sup>No quota capacity.



Another fundamental activity is the unblocking of culverts to capture rainwater runoff. During the period analyzed, 1,383 grates, 689 manholes and 163 septic tanks were cleaned.

UNBLOCKING CARRIED OUT BY THE MUNICIPALITY, 2020 AND 2021.		
ITEM SERVED	2020	2021
Septic tanks	96	163
Manhole	1,249	689
Grids	1,564	1,383
<b>TOTAL</b>	<b>2,909</b>	<b>2,235</b>

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

In terms of the different cleaning activities, the combined area of intervention exceeded 186 million square meters throughout the district. Complete information can be found below:



**CLEANING ACTIVITIES IN THE MUNICIPALITY, 2021.**

CONCEPT	M <sup>2</sup>
Manual sweeping	24,814,580
Mechanical sweeping	141,050,000
Digging	192,874
Weeding	400,319
Weed control	6,671,976
Sidewalk weeding	1,325,016
Paper cleaning	9,906,000
Grass cutting	2,001,593
<b>TOTAL</b>	<b>186,362,358</b>

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

**LOW PRUNING OF TREES IN THE MUNICIPALITY, 2021.**

CONCEPTO	UNITS
Tree pruning	53,216

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

**MAINTENANCE OF THE MUNICIPALITY'S INFRASTRUCTURE, 2021.**

CONCEPT	ACTIONS
Weeding of drains <sup>1</sup>	1,243,998
Painting of fittings <sup>2</sup>	21,826
Painting of infrastructure and street furniture <sup>1</sup>	20,317

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

<sup>1</sup>Square meter (m<sup>2</sup>).

<sup>2</sup>Mililiters (ml).

**MAINTENANCE ACTIONS IN MUNICIPAL FACILITIES, 2021.**

CONCEPT	ACTIONS
Fountain maintenance	4,212
Maintenance of irrigation systems	387
Maintenance of sump	427
Electrical and hydraulic maintenance of fountains	21,191
Electrical and hydraulic system maintenance	23,304

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

**STREET LIGHTING AND GREEN AREAS**

The Municipal Government is responsible for the compliance and control of public lighting; energy supply is the job of the companies. The objective is to illuminate streets, parks, monuments and public buildings, among other spaces of general circulation that are not under the responsibility of any individual.

The lighting of streets and avenues in the municipality of Querétaro during 2021 was achieved with 80,300 lamps installed, an amount that increased 15.2% with respect to 2020. Lighting reached 5,806 main roads in the city and 28 fountains in the municipality. Complete information in the following table:

**LIGHT FIXTURES BY DISTRICT IN THE MUNICIPALITY, 2019 AND 2020.**

DISTRICT	2020	2021
Centro Histórico	12,994	13,537
Epigmenio González Flores	11,113	13,547
Felipe Carrillo Puerto	6,815	8,196
Félix Osoreo Sotomayor	11,313	13,289
Josefa Vergara y Hernández	8,614	10,155
Santa Rosa Jáuregui	8,366	10,785
Villa Cayetano Rubio	4,681	4,957
<b>OTRAS</b>		
Main roads	5,802	5,806
Fuentes	28	28
<b>TOTAL</b>	<b>69,726</b>	<b>80,300</b>

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

The municipality has a total surface area of green areas of 8,187,360.1 m<sup>2</sup>, during 2021, 64.2% of the total was maintained, including forestation, reforestation and pruning of trees and plants.

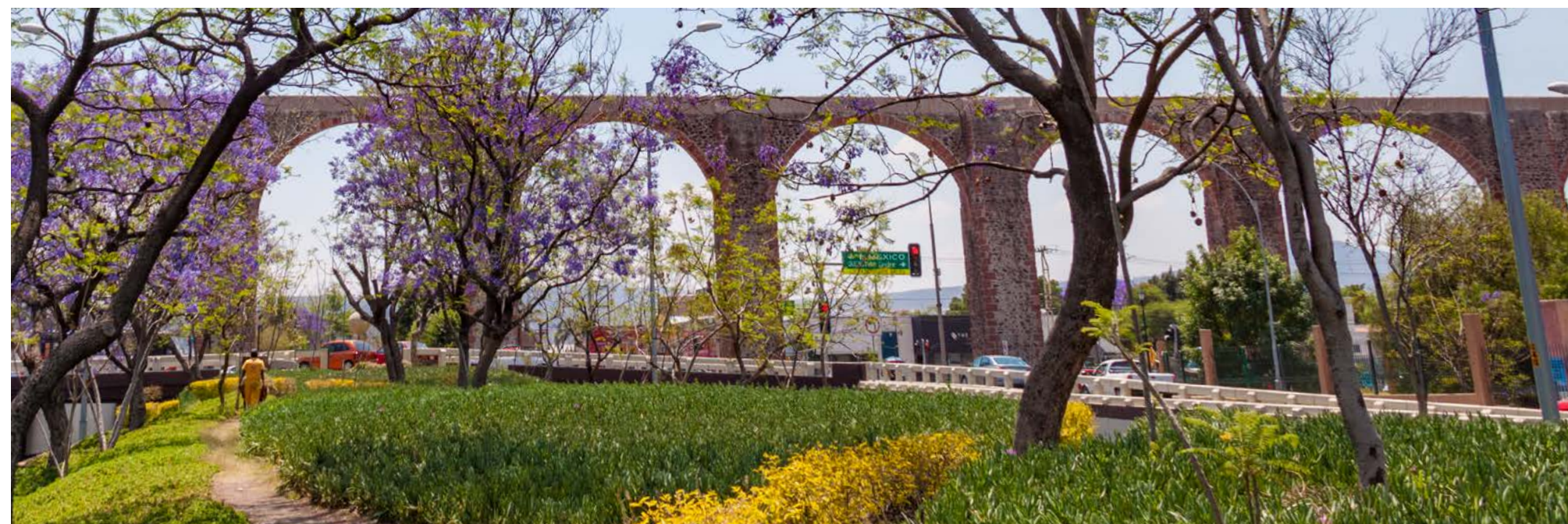


**MAINTENANCE OF GREEN AREAS, 2021.**

Total surface area m<sup>2</sup>  
**5,254,794.6**

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

Green areas receive special attention; their good condition and conservation guarantee urban sustainability and it is essential to keep them in good condition. The details of the spaces and their presence in the 7 districts are detailed below:



SURFACE IN SQUARE METERS OF PUBLIC GREEN AREAS BY DISTRICT, 2021.

TYPE OF GREEN AREA	CENTRO HISTÓRICO	EPIGMEÑO GONZÁLEZ FLORES	FELIPE CARRILLO PUERTO	FÉLIX OSORES SOTOMAYOR	JOSEFA VERGARA Y HERNÁNDEZ	SANTA ROSA JÁUREGUI	VILLA CAYETANO RUBIO	TOTAL
Sidewalks	-	37,051.1	9,733.6	316,963.3	8,561.4	23,825.1	-	<b>396,134.5</b>
Undefined green areas	-	-	1,178.0	886.7	726.3	71.0	-	<b>2,861.9</b>
Ridge of furrow	286,179.6	803,558.2	172,540.2	551,917.5	189,174.9	1,085,187.5	181,306.7	<b>3,269,864.5</b>
Distributors	91,485.4	214,720.3	70,293.8	246,110.3	62,549.3	127,633.1	194,437.7	<b>1,007,229.8</b>
Roundabouts	25,059.7	19,684.4	528.0	16,264.3	3,074.7	-	146.6	<b>64,757.7</b>
Gardens	69,138.0	75,996.5	50,186.6	295,184.4	206,851.8	223,132.6	50,331.9	<b>970,821.8</b>
Cemeteries	92,349.1	-	51,420.3	69,396.6	-	78,206.7	5,741.6	<b>297,114.3</b>
Parks	27,871.2	11,257.2	8,259.9	10,836.5	13,963.5	9,008.6	6,046.6	<b>87,243.5</b>
Squares	-	-	6,245.3	3,038.5	-	7,164.9	1,867.9	<b>18,316.6</b>
Remaining	439,042.6	62,393.5	78,708.3	113,403.9	400,889.3	31,392.8	95,774.8	<b>1,221,605.2</b>
Sports units	194,798.0	86,692.3	34,851.4	45,578.2	342,148.1	166,747.8	27,456.9	<b>898,272.8</b>
<b>TOTAL</b>	<b>1,225,923.6</b>	<b>1,311,353.5</b>	<b>483,945.5</b>	<b>1,669,580.1</b>	<b>1,227,939.3</b>	<b>1,752,370.1</b>	<b>563,110.6</b>	<b>8,234,222.7</b>

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

Rehabilitation actions were carried out in 111,328.5m<sup>2</sup> of green areas in 6 municipal districts. Santa Rosa Jáuregui stood out with 46.1% of the works, followed by Josefa Vergara y Hernández with 19.5%, while 34.4% corresponded to the rest of the districts:

**SUPERFICIE Y UBICACIÓN DE ÁREAS VERDES REHABILITADAS EN EL MUNICIPIO, 2021.**

DISTRICT	GREEN AREAS	SURFACE AREA M <sup>2</sup>
<b>Centro Histórico</b>	Parque Mercurio, calle Encarnación Cabrera, José Siurob. Col. Mercurio	417.0
	Álamos skating rink, avenida Corregidora. Col. Álamos	3,024.5
	Parque Bosques del Acueducto, calle Palma de Mallorca y Calzada de los Arcos	3,937.0
	Epigmenio González Dog Park, avenida Epigmenio González de calle Mecánica a Corregidora Norte	12,775.0
<b>Epigmenio González Flores</b>	Parque San Pablo II, Health Sector between Ministry of Environment and Fisheries and the Ministry of Labor. Col. San Pablo II	2,858.9
	Parque Ignacio Pérez, calle 10 de mayo y Josefa Vergara y Hernández. Col. Fraccionamiento Ignacio Pérez	6,000.6
	Glorieta Los Robles, avenida Pie de la Cuesta esq. Eurípides. Col. Los Robles	641.0
<b>Felipe Carrillo Puerto</b>	Parque Rancho San Pedro, calle Circuito Merlot, esq. avenida Valle Verde. Col. Fraccionamiento Rancho San Pedro	5,649.0
	Parque Sauces, calle Copenhague y Estocolmo. Col. Los Sauces	618.0
<b>Félix Osores Sotomayor</b>	Parque Misión Carrillo, calle Luis Herrera Vázquez. Col. Misión Carrillo	2,406.7
<b>Josefa Vergara y Hernández</b>	Parque Las Plazas, between Plaza de la Constitución and calle Prudencia Griffel	960.5
	Parque Universo 2000, calle Órbita, Astro y Siglo. Col. Universo 2000	12,635.0
	Parque Plazas del Sol, calle de la Concepción between San Juan Bautista and Ayuntamiento. Col. Plazas del Sol II sección	3,653.0
	Parque Hacienda Galeras, Hacienda Galeras, Hacienda la Muralla y Hacienda El Salitre. Col. Jardines de la Hacienda	647.5
	Parque Col. del Valle, calle Del Bosque casi esq. con Del Monte. Col. Fraccionamiento Residencial del Valle	1,023.8
<b>Santa Rosa Jáuregui</b>	Fraternidad de Santiago, calle Santiago de Compostela y Santiago Tianguistengo. Col. Fraternidad de Santiago	2,801.4
	Parque La Lagartija, boulevard Universitario esq. Misión San Francisco. Col. Jurica Real Convento	28,961.0
	Parque Santa Fe, calle Santa Teresa. Col. Juriquilla Santa Fe	12,281.7
	Parque San Francisco Juriquilla, calle Fray Antonio de Monroy e Híjar y San Hilario. Col. San Francisco Juriquilla	10,037.0
<b>TOTAL</b>		<b>111,328.5</b>

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.





In order to carry out the habilitation and rehabilitation tasks, 468,947 trees, shrubs, ground covers, herbaceous plants, flowers and succulents of different species, 96.9% were rehabilitated and 3.1% were authorized.

**NUMBER OF PIECES OF DIFFERENT SPECIES OF VEGETATION FOR THE HABILITATION AND REHABILITATION OF GREEN AREAS IN THE MUNICIPALITY, 2021.**

SPECIES	REHABILITATION	HABILITATION	TOTAL PIECES	TOTAL M <sup>2</sup>
Trees	1,423	295	1,718	68,720.0
Shrubs	13,155	5,121	18,276	731.0
Floor covering	16,911	1,700	18,611	186.1
Herbaceous	18,334	2,382	20,716	259.0
Flowers	19,691	2,996	22,687	907.5
Succulents	384,775	2,164	386,939	3,869.4
<b>TOTAL</b>	<b>454,289</b>	<b>14,658</b>	<b>468,947</b>	<b>74,673.0</b>

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.



**ACTIONS FOR THE HABILITATION AND REHABILITATION OF GREEN AREAS, 2021.**

ACTION	TOTAL
Pruned trees	11,518
Felled trees	869
Pruning requests (tons)	829
Authorized pruning requests (permits)	1,334
Authorized logging or felling requests (permits)	183

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

Irrigation was carried out with 99.0% treated water. During 2021, 271,080,000 liters were tapped and distributed by municipal irrigation units (water tank trucks) in more than 27 thousand trips.

**TREATED WATER FOR IRRIGATION IN THE MUNICIPALITY, 2020 AND 2021.**

CONCEPT	2020	2021
Percentage of treated water used for irrigation (%)	99.0	99.0
Total liters	295,560,000	271,080,000
Total irrigation route shifts	3	3
Total irrigation units	33	23
Total trips	29,556	27,108

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

The various species of plants used to rehabilitate the green areas came from the Municipal Nursery. The species selected and the number of units used are listed below:

**PRODUCTION OF PLANTS AND GRASSES OF VARIOUS TYPES IN THE MUNICIPAL NURSERY, 2021.**

SPECIES	QUANTITY
Trees	13,914
Shrubs	76,678
Floor covering	64,637
Fruit trees	1,406
Herbaceous	71,787
Flowering plants	109,223
Succulents	537,999
<b>TOTAL</b>	<b>875,644</b>

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

**DONATION OF PLANTS AND GRASSES OF VARIOUS TYPES AT THE MUNICIPAL NURSERY, 2021.**

SPECIES	QUANTITY
Trees	42,503
Shrubs	1,237
Fruit trees	8,403
Herbaceous	308
Flowering plants	1,334
Succulents	2,990
<b>TOTAL</b>	<b>56,775</b>

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.





### MUNICIPAL MARKETS

In the municipality of Querétaro there are 8 markets operating in the Centro Histórico, Félix Osores Sotomayor and Josefa Vergara y Hernández districts. A total of 2,214 premises receive ongoing maintenance.

PUBLIC AND LOCAL MARKETS IN THE MUNICIPALITY, 2021.		
DISTRICT	MARKETS	PREMISES
<b>Centro Histórico</b>		<b>1,782</b>
Josefa Ortiz de Domínguez "La Cruz"		570
General Mariano Escobedo	5	842
Benito Juárez "El Tepetate"		180
Miguel Hidalgo		126
Las Flores		64
<b>Félix Osores Sotomayor</b>		<b>1</b>
José María Morelos y Pavón		65
<b>Josefa Vergara y Hernández</b>		<b>367</b>
Lomas de Casa Blanca	2	241
Lázaro Cárdenas		126
<b>TOTAL</b>	<b>8</b>	<b>2,214</b>

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

### ANIMAL CONTROL UNIT

In the municipality of Querétaro there are 3 public institutions in charge of animal care, control and attention:

- Animal Control Unit (UCAM)
- Municipal Animal Protection Unit (UPAM)
- Querétaro Municipal Animal Care Unit (UMAANQ)

SERVICES PROVIDED BY UCAM, 2021.	
SERVICE	TOTAL
Aggressive animals admitted	314
Animals dewormed	203
Adopted animals	47
Animals vaccinated against rabies	11,937
Neuters and spays	2,700

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.



SERVICES PROVIDED BY THE UPAM, 2021.	
SERVICE	TOTAL
Complaints of animal mistreatment dealt with	613
Animal rescue reports	2,377

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

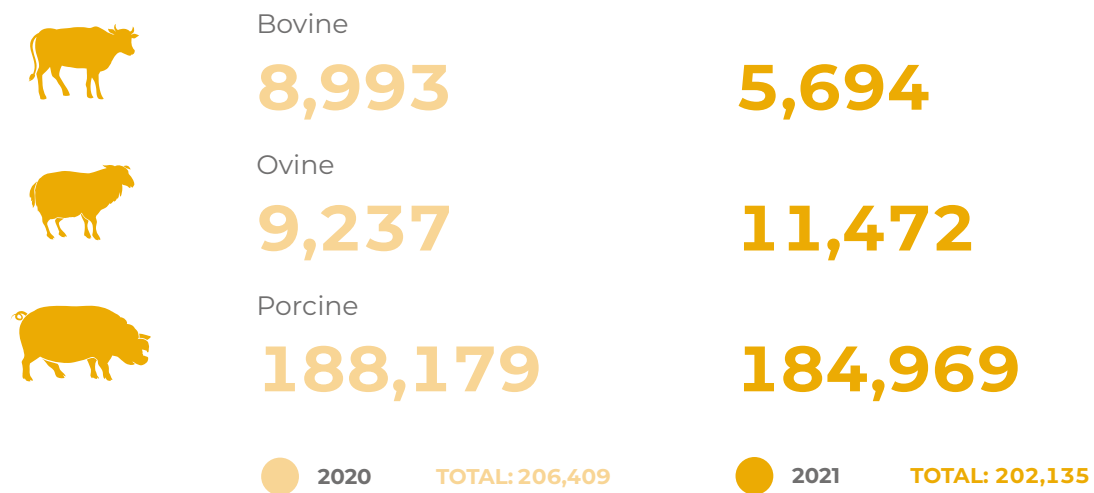
SERVICES PROVIDED BY THE UMAANQ, 2021.	
SERVICE	TOTAL
Adoptions	211
Medical consultations	1,009
Deworming	1,474
Neuters and spays	1,898
Rabies vaccination	1,339
Multiple vaccination	1,878

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

### MUNICIPAL SLAUGHTERHOUSE

The slaughterhouse in the municipality of Querétaro is the only place authorized to slaughter livestock, which makes it possible to quantify the supply of meat for the population. It has the Federal Inspection Type (TIF) 412 category and during 2021 recorded the following volume of action:

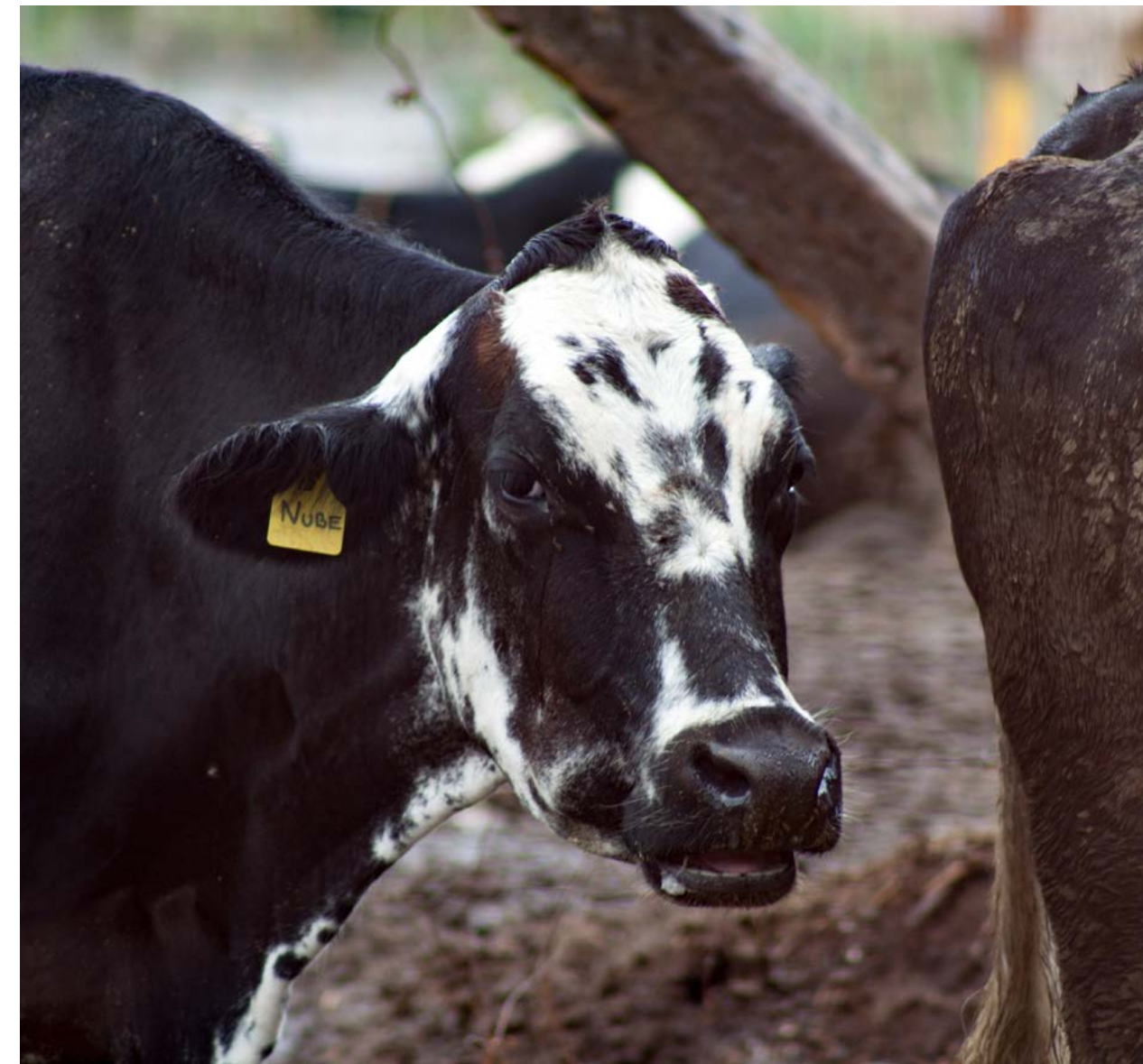
### SLAUGHTER OF CATTLE HEAD IN THE MUNICIPALITY, 2020 AND 2021.



Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

LIVESTOCK SLAUGHTER VOLUME IN THE MUNICIPALITY, 2020 AND 2021		
YEAR	HEADS	TONS
2020	206,409	19,642
2021	202,135	17,627

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.



## 4.2 Environmental management

According to the most recent data from the Situation of the Environment in Mexico 2018, from the Ministry of Environment and Natural Resources (SEMARNAT), Mexico has one of the greatest natural wealth. It concentrates more than 10.0% of the world's known biodiversity and is one of the 15 countries cataloged as mega-diverse that together amount for between 60.0% and 70.0% of global biodiversity.

The social economic development of the country and the impact of productive activities have caused significant deterioration in the environment, depletion of resources, health effects and loss of productivity in the fields. For this reason, there are institutions that support and contribute to environmental care and management.

### PROTECTED NATURAL AREAS (ANP)

They are the reserve zones over which the nation exercises sovereignty and jurisdiction, where the original environments have not been significantly altered by human activity or where their ecosystems and integral functions need to be preserved and restored. They are subject to the regime provided in the applicable ordinances in the laws on environmental matters.

The ANP are a conservation instrument that fulfills several objectives and provides multiple benefits for the inhabitants of surrounding areas. Their preservation is important at regional, national and global levels.

To meet these objectives, institutions such as the National Commission for Natural Protected Areas (CONANP) and SEMARNAT have joined efforts. Their main objective is the conservation and development of coexistence between society and nature.

Currently, CONANP manages 382 Areas Voluntarily Destined for Conservation (ADVC), covering an area of 623,090.5 ha. In addition, it is in charge of 184 ANP totaling 90,956,124 ha, of which 21,497,511 correspond to protected land areas (10.9% of the national total) and 69,458,613 to marine areas (22.1% of the national total).

The municipality of Querétaro has 10 ANP distributed in the different districts, the detail can be seen in the following table:



PROTECTED NATURAL AREAS IN THE MUNICIPALITY OF QUERÉTARO, 2021.				
NATURAL AREA	DISTRICT	CATEGORY	SURFACE AREA DECREEED (HECTARES)	MUNICIPAL SURFACE AREA (%)
Bordo Benito Juárez	Epigmenio González Flores	Community ecological preservation zone with subcategory of intra-urban park	27.6	0.1
Cañada Juriquilla	Santa Rosa Jáuregui	Community ecological preservation zone with subcategory of intra-urban park	22.1	0.1
Cerro de las Campanas	CentroHistórico	National Park	3.8	-
Cerro Grande	Santa Rosa Jáuregui	Community ecological preservation zone with subcategory of intra-urban park	2,989.2	14.3
El Cimatario <sup>1</sup>		National Park	761.3	3.7
El Tángano <sup>2</sup>	Josefa Vergara y Hernández	Area subject to ecological conservation	114.8	0.6
Jurica Poniente	Félix Osoreo Sotomayor	Community ecological preservation zone with subcategory of intra-urban park	224.1	1.1
Montenegro		Ecological reserve area	547.4	2.6
Sierra Raspiño	Santa Rosa Jáuregui	Community ecological preservation zone with subcategory of intra-urban park	4,104.2	19.7
Western Microwatershed Zone	Santa Rosa Jáuregui and Felipe Carrillo Puerto	Area subject to ecological conservation	12,043.1	57.8
<b>TOTAL</b>			<b>20,837.6</b>	<b>100.0</b>

Source: Municipality of Querétaro. Institute for Ecology and Climate Change, 2022.

<sup>1</sup> The area referred to is that which corresponds to the municipality of Querétaro in accordance with the published decree.

<sup>2</sup> The entire industrial estate is considered in accordance with the partial Urban Development plans in accordance with its municipal delegations.

## RESPIRA QUERÉTARO

The Municipality of Querétaro, through the Ministry for Sustainable Development (SEDESO), carried out the "Program Respira Querétaro", whose objective is to generate alliances with different public and private agencies, business sectors, civil societies and citizens in general, to achieve a green city that provides environmental services and quality of life to its inhabitants.

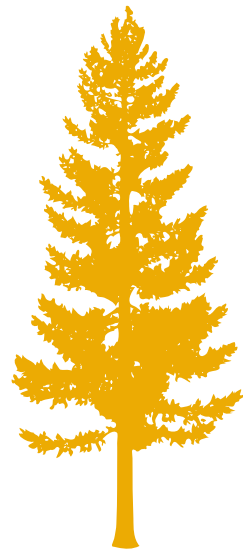
The program participated donating 80 trees in the National Festival for Water and Forests organized by SEMARNAT at the facilities of the Ministry of Youth, in the NUQLEO building.

One of the program's lines of action was the quarterly publication of the Green Action magazine, with the aim of disseminating environmental activities and information at the municipal level and raising awareness among the population on these issues.

In 2021, through the "Environmental Education Services Program", lectures were held for elementary students with the goal of promoting a culture of protection and improvement of the environment by changing and reinforcing habits, attitudes and values.

The personnel that works in the Municipality of Querétaro participated in the "Recycle your tires" and "Special Handling Waste Recycling" sessions, actions carried out in partnership with the Ministry of Municipal Public Services.

In collaboration with the Institute of Ecology and Climate Change, reforestation and tree donations were carried out, as described in the following table:



### RESPIRA QUERÉTARO PROGRAM, 2021.

Donated trees

**74,128**

Trees planted by the Municipal Public Services Ministry

**1,204**

TOTAL

**75,332**

Source: Municipality of Querétaro. Institute for Ecology and Climate Change, 2022.

During the same year, with the objective of raising public awareness about the prevention and control of pollution in rural areas, 66 environmental protection inspections were carried out and 55 licenses were granted by the Institute of Ecology and Climate Change.

### ENVIRONMENTAL PROTECTION ACTIONS BY DISTRICT, 2021.

DISTRICT	MUNICIPAL ENVIRONMENTAL LICENSE	
	VERIFICATION/INSPECTION VISITS	TOTAL LICENSES ISSUED <sup>1</sup>
Centro Histórico	33	27
Epigmenio González Flores	8	8
Felipe Carrillo Puerto	5	4
Félix Osores Sotomayor	9	7
Josefa Vergara y Hernández	5	3
Santa Rosa Jáuregui	3	3
Villa Cayetano Rubio	3	3
<b>TOTAL</b>	<b>66</b>	<b>55</b>

Source: Municipality of Querétaro. Institute for Ecology and Climate Change, 2022.

Note: Environmental impact reports are now only made by the Ministry for Agrarian, Territorial and Urban Development (SEDATU).

<sup>1</sup> The total number of licenses issued also includes temporary licenses that may have been obtained by any establishment prior to obtaining the definitive license.

In 2021, 115 complaints were received for affected resources, mainly water, air and soil, with 82.6% of them having been resolved. The air was the element most affected and reported by citizens, the complete information is shown below:

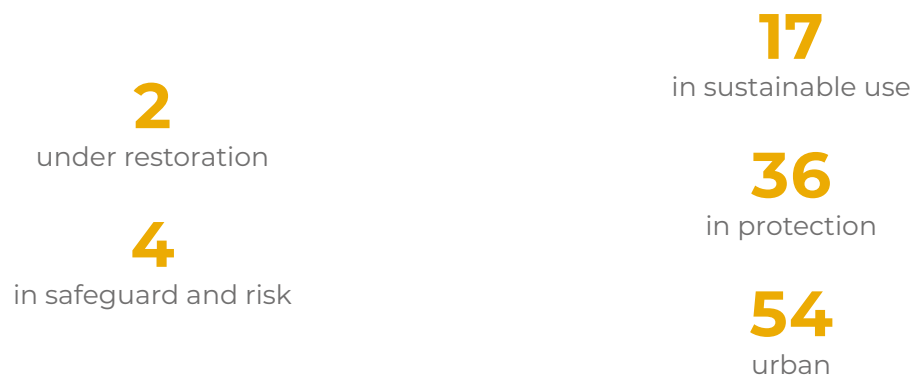
### CITIZEN COMPLAINTS IN ENVIRONMENTAL MATTERS OF COMPETITION FOR THE AFFECTED RESOURCE, 2021.

DELEGATION	AFFECTED RESOURCE					RESULTS	
	WATER	AIR	SOIL	OTHERS	TOTAL	COMPLETED	PERCENTAGE OF COMPLAINTS SOLVED (%)
Centro Histórico	1	37	2	2	42	31	73.8
Epigmenio González Flores	-	3	2	1	6	4	66.7
Felipe Carrillo Puerto	1	6	1	1	9	8	88.9
Félix Osores Sotomayor	-	17	1	-	18	17	94.4
Josefa Vergara y Hernández	1	16	-	-	17	13	76.5
Santa Rosa Jáuregui	3	8	1	-	12	11	91.7
Villa Cayetano Rubio	1	8	1	1	11	11	100.0
<b>TOTAL</b>	<b>7</b>	<b>95</b>	<b>8</b>	<b>5</b>	<b>115</b>	<b>95</b>	<b>82.6</b>

Source: Municipality of Querétaro. Institute for Ecology and Climate Change, 2022.

### ECOLOGICAL PLANNING

The Ecological Planning Model carries out technical studies and analyzes natural conditions in the state, dividing the 18 municipalities into Environmental Management Units (UGA), focused on territorial planning and natural resource management. The municipality of Querétaro has 113 UGA distributed in the 7 districts, each of them with a different classification:



### TRUST FOR THE CONSERVATION OF THE ENVIRONMENT OF QUERÉTARO (FIQMA)

It is a local entity with legal personality and its own assets. Its objective is to safeguard and preserve the natural capital of the municipality of Querétaro, guaranteeing its permanence, sustainability and development, for the benefit of the environment and the quality of life of the people of Querétaro.

FIQMA carries out joint actions with citizens to preserve the environment and optimize the use and planning of natural resources in the municipality of Querétaro. In 2021, it carried out the following restorations:

RESTORATION OF FIQMA PROPERTIES, 2021.			
DELEGATION	LOCALITY	REFORESTATIONS (HECTARES)	TREES
Epigmenio González Flores	Vergel	2.0	380
	Américas		
Felipe Carrillo Puerto	Ciudad del Sol	3.0	600
	Cuesta Bonita		
Villa Cayetano Rubio	Bolaños	2.0	500
<b>TOTAL</b>		<b>7.0</b>	<b>1,480</b>

Source: Queretano Trust for the Conservation of the Environment, 2022.



## FORESTRY ACTIVITIES

The National Forestry Commission (CONAFOR) coordinates forestry activities at the national level. In 2021, through the Forest Development Promoter in the State of Querétaro, it reported 3 forest fires that affected 25.1 hectares of the state surface.

WILDFIRES, 2021.				
DISTRICT	LOCALITY	AFFECTED AREA (HECTARES)		TOTAL (HECTARES)
		NOT WOODED		
		SCRUBS	GRASSLANDS	
	Ejido San José el Alto	5.0	6.4	11.4
Querétaro	Ejido San Miguelito	4.3	2.5	6.8
	Ejido el Nabo	4.8	2.1	6.9
	<b>TOTAL</b>	<b>14.1</b>	<b>11.0</b>	<b>25.1</b>

Source: National Forestry Commission (CONAFOR), Department of Restoration and Protection, 2022.



## ENVIRONMENTAL EDUCATION

The Municipality of Querétaro, through the Ministry of Sustainable Development and the Institute of Ecology and Climate Change, implemented actions to preserve natural resources and spread environmental education. In 2021, the instance continued with the following actions:

- 1. Environmental Education Services:** Family values of the citizens of Querétaro, the culture of protection and improvement of the environment, and the change of habits and attitudes, are promoted and reinforced through lectures for elementary school students.
- 2. Green Action Environmental Magazine:** Broadcasts activities and information related to the environmental issues and status of the municipality through the website [www.municipiodequeretaro.gob.mx](http://www.municipiodequeretaro.gob.mx).

### MUNICIPAL ANIMAL CONTROL UNIT

It is the body in charge of promoting the dignified and respectful treatment of animals and contributing legally and peacefully to their defense and well-being. It carries out specific activities such as:

- Adoption of cats and dogs
- Safeguarding and protection of animals
- Attention to complaints of abuse and protection of animals
- Deworming
- Low-cost spaying and neutering for cats and dogs
- Free spaying and neutering day campaigns for dogs and cats
- Observation of aggressive pets
- Prohibition of commercialization of pets on public roads
- Free rabies vaccination
- Multiple vaccination (puppy, parvovirus + corona, triple, fivefold and sixfold)
- Pet adoption campaigns

In 2021, through the Directorate of Animal Protection, Care and Control, the Ministry of Municipal Public Services applied 11,937 free anti-rabies vaccines, carried out 2,700 spays and neuters, 203 deworming and gave 47 pets in adoption.

#### MUNICIPAL ANIMAL CONTROL UNIT, 2020 AND 2021.

TYPE OF ACTION	2020	2021
Aggressor animals admitted	304	314
Dewormed animals	306	203
Animals for adoption	91	47
Animals vaccinated against rabies	21,208	11,937
Spaying and neutering	5,138	2,700
<b>TOTAL</b>	<b>27,047</b>	<b>15,201</b>

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

The Municipal Animal Care Unit of Querétaro (UMAANQ) provides low-cost services and medical care to company pets, complete information is found in the following table:

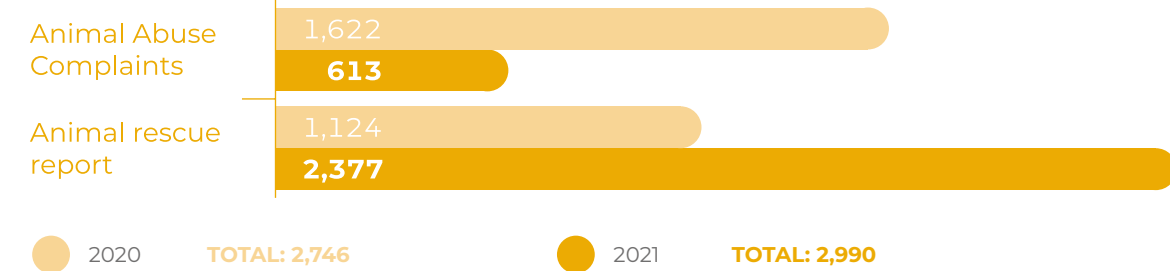
#### QUERÉTARO MUNICIPAL ANIMAL CARE UNIT, 2020 and 2021.

SERVICE	2020	2021
Adoptions	141	141
Medical consultation	873	873
Deworming	1,159	1,159
Spaying and neutering	1,710	1,710
Rabies vaccine	1,006	1,006
Multiple vaccine	1,898	1,898
<b>TOTAL</b>	<b>6,787</b>	<b>6,787</b>

Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

The Municipal Animal Protection Unit (UPAM) receives and deals with complaints of animal abuse and rescue, the figures in this regard during 2021 were as follows:

#### MUNICIPAL ANIMAL PROTECTION UNIT, 2020 and 2021.



Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.





## ENVIRONMENTAL AUDIT

The purpose of the Federal Attorney for Environmental Protection (PROFEPA) is to reduce the negative impact generated by the production processes of companies. Its actions provide added value to the environment in a positive way from the dynamics of prevention, improving ecological performance.

The National Environmental Audit Program (PNAA) aims to improve the environmental performance of the participating facilities so that it is higher than that required by law, verifying that companies comply with current federal and local environmental legislation and, at the same time, adopt self-regulatory measures and good operating and engineering practices.

The PNAA grants 3 types of certificates:

- 1. Clean Industry:** Awarded to companies that carry out manufacturing and transformation activities.
- 2. Environmental Quality:** Otorgado a aquellas empresas dedicadas a actividades comerciales y de servicios.
- 3. Tourist Environmental Quality:** Awarded exclusively to companies dedicated to this activity.

In 2021, as a result of the activities of the PNAA, PROFEPA registered 15 companies with a current Clean Industry certificate, all of them attached to the municipality of Querétaro.

The Querétaro Environmental Audit Subdelegation reported 18 legal entities in the municipality of Querétaro that began their quality certification process as a socially responsible company.



## COMPANIES CERTIFIED IN ENVIRONMENTAL MATTERS IN THE MUNICIPALITY OF QUERÉTARO, 2021.

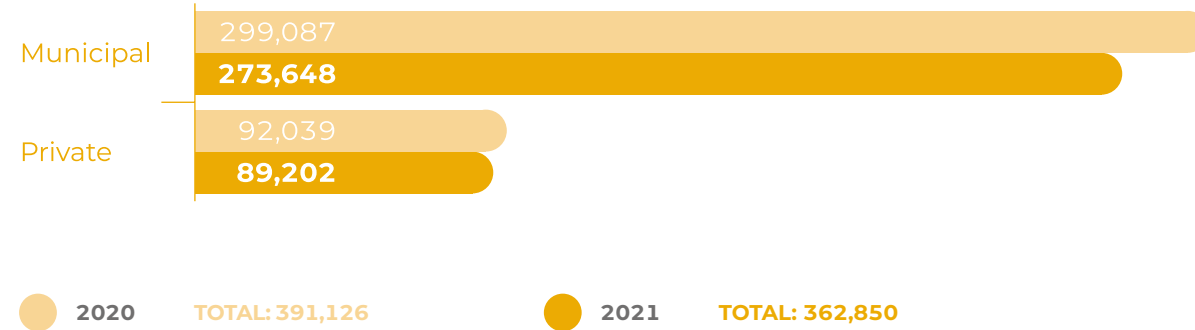
DISTRICT	CERTIFICATE OF CLEAN INDUSTRY, ENVIRONMENTAL QUALITY AND TOURIST ENVIRONMENTAL QUALITY	CERTIFICATE IN PROCESS
Centro Histórico	1 Santander Tecnología México, S.A. de C.V. (Santander Technology and Operations Center Building)	1 Monterrey Institute of Technology and Higher Education. (Querétaro Campus)
Epigmenio González Flores	2 Faurecia Sistemas Automotrices de México, S.A. de C.V.  Kaeser Compresores México, S. de R.L. de C.V.	4 CFE Distribution Division Bajío Management, Maneuvers CFE Distribution Division Micro Park Management Teléfonos de México, S.A.B. de C.V., Triara.com Lubricantes Fuchs de México, S.A. de C.V.
Felipe Carrillo Puerto	2 Nutryplus, S.A.P.I de C.V. Italaise, S.A. de C.V.	2 Industria Envasadora de Querétaro, S.A. de C.V. Kellogg de México, S. de R.L. de C.V.
Félix Osores Sotomayor	5 Industrias Frigus Therme, S.A. de C.V. Dana de México Corporación, S. de R.L. de C.V. (Bevel Gear Division) Construlita Lighting International, S.A. de C.V. Grupo Fandelj, S.A. de C.V. Controladora Mabe, S.A. de C.V. (Plant Components)	3 CFE Distribution Division Bajío Management, Querétaro Industrial Zone CFE Distribution Division Satélite Management Dana de México Corporación, S. de R.L. de C.V. (Cardanes Plant)
Josefa Vergara y Hernández	-	3 CFE Distribution Division Bajío Management (Stadium Substation) CFE Distribution Division Management Querétaro Sur CFE Distribution Division and Cimatarío Management
Santa Rosa Jáuregui	5 Omni Manufacturing Services, S.A. de C.V. Eaton Technologies, S.de R.L. de C.V. CCL Secure, S.A. de C.V. Bussmann, S. de R.L. de C.V. Safran Landing Systems Services Americas, S.A. de C.V.	5 CFE Distribution Division Management San Idelfonso CFE Distribution Division and Cimatarío Management CFE Distribution Division Management Buenavista Norte Gill Querétaro, S. de R.L. de C.V. Troqueladora Batesville de México, S. de R.L. de C.V.
<b>TOTAL</b>	<b>15</b>	<b>18</b>

Source: Federal Attorney's Office for Environmental Protection (PROFEPA), 2022.

## ENVIRONMENTAL INFRASTRUCTURE

The Ministry of Municipal Public Services is in charge of the management and transfer of solid waste generated in the demarcation. During 2021, it moved 362,850 tons of waste to the landfill, a figure that represented a decrease of 7.2% compared to 2020.

### SOLID WASTE ENTERING THE MOMPANÍ LANDFILL, 2020 AND 2021.



Source: Municipality of Querétaro. Ministry of Municipal Public Services, 2022.

The following table shows the data referring to the treatment plants installed in the municipality of Querétaro. The information responds to data from the National Water Commission (CONAGUA) during 2021:

WASTEWATER TREATMENT PLANTS INSTALLED IN THE MUNICIPALITY OF QUERÉTARO, 2021.			
KIND	NUMBER OF TREATMENT PLANTS	INSTALLED CAPACITY (LPS)	ANNUAL VOLUME TREATED (M <sup>3</sup> /YEAR)
Public	6	964.4	23,297,775.7
Private	57	32.8	5,776,006.9
<b>TOTAL</b>	<b>63</b>	<b>997.1</b>	<b>29,073,782.6</b>

Source: National Water Commission, 2022.

LPS: Liters per second.

(M<sup>3</sup>/YEAR): Cubic meters per year.





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