

The Governing Council has been informed today of the proposal for awarding the maintenance contract of this infrastructure

Canal de Isabel II allocates 5 million euros to wastewater treatment in Madrid

- Las Rejas WWTP can treat up to 145,000 m³ of wastewater from Madrid every day
- This facility produced almost 3 cubic hectometres of regenerated water for irrigation of parks and gardens in 2019

13MAY2020 – The Governing Council of the Autonomous Community of Madrid was informed today of the proposal by Canal de Isabel II to award the contract for operation and maintenance services of the Las Rejas Waste water treatment plant (WWTP). The procedure is initially valid for 1 year and four months, to which an extension of an additional year may be added, and was awarded for the total sum of 5,084,066.29 euros, excluding VAT.

The Las Rejas treatment plant, built in 1977 and expanded in 2000, belongs to the Jarama River basin. It is one of the largest in the region and can treat more than 145,000 cubic metres of wastewater per day from the eastern part of the capital. Thanks to the purification processes carried out there, it is able to eliminate the polluting load produced by a population of 685,000 people. In addition, this infrastructure has facilities to produce regenerated water for irrigating parks and gardens.

INFRASTRUCTURE COMMITTED TO CLIMATE CHANGE

Thanks to the infrastructure available at the Las Rejas WWTP for recovering the energy contained in wastewater and for producing regenerated water, it is a facility that makes its own and adds to the objectives of the EU Green Deal, all of which are included in the Canal de Isabel II Strategic Plan. Thanks to its processes, it contributes to a clean economy with zero emissions, protects the natural habitat and contributes to climate action by collaborating in reversing climate change and curbing its effects.

Thus, the WWTP has facilities to produce 100 % renewable energy from biogas obtained from liquid waste: it is able to generate electricity from the biogas released by the purification processes, up to a total of 6.23 GWh in 2019. This electricity production prevented the emission of 1.4 tons of CO₂ into the atmosphere in 2019.

Press release

On the other hand, Las Rejas WWTP has facilities for producing regenerated water (2,898,911 m³ in 2019, equivalent to four times the maximum capacity of the Navalmedio reservoir), which enables it to combat the reduction of water resources, one of the effects of climate change, as it helps to reduce the demand for drinking water.

Canal de Isabel II was founded almost 170 years ago to supply water to the city of Madrid. It employs more than 2,800 people working daily to provide a service to more than 6 million people in the region. It is an innovative company, a leader in its sector, and internationally recognised for its management of the integrated water cycle.

It operates 13 reservoirs; 78 spring tapplings; 17,601 kilometres of water conveyance and distribution; 131 drinking water pumping stations and 133 waste water stations; 15,083 kilometres of sewer system networks; 65 storm tanks; 157 waste water treatment plants; and 615 kilometres of recycled water networks.