

CITY OF GRAND JUNCTION, COLORADO

RESOLUTION NO. 75-19

**A RESOLUTION AUTHORIZING THE CITY MANAGER TO SUBMIT A GRANT REQUEST TO THE COLORADO DEPARTMENT OF LOCAL AFFAIRS' (DOLA) ENERGY AND MINERAL IMPACT ASSISTANCE PROGRAM FOR THE PERSIGO WASTEWATER TREATMENT PLANT BIO-CNG STORAGE PROJECT**

**RECITALS.**

In 2015, the Persigo Wastewater Treatment Plant (WWTP) commissioned a first-of-its-kind project that captures methane gas (biogas), a byproduct of the wastewater treatment process, and converts it to compressed natural gas (CNG) so that it can be used as a vehicle fuel. The CNG produced at the Persigo WWTP is a carbon-neutral advanced biofuel and is used locally to fuel 69 fleet vehicles owned by the City of Grand Junction and Mesa County. Along with the economic benefits of the lower cost CNG fuel, the project has also realized significant environmental benefits (2.4 million pounds of carbon reduction by offsetting the use of 123,000 gallons of gasoline per year).

After operating the system for four years, about 21 percent of biogas generated is still being flared to the atmosphere because there is not enough available storage capacity in the current system. This amount of gas is equivalent to 25,500 gasoline gallon equivalents and over 500,000 lbs-CO<sub>2</sub> emissions per year. By expanding gas storage onsite at Persigo Wastewater Treatment Plant and enhancing the automation at the fueling stations, flaring of biogas can be eliminated and the beneficial use of CNG can be maximized.

**NOW, THEREFORE, BE IT RESOLVED THAT** the City Council of the City of Grand Junction does hereby authorize the City Manager to submit a \$540,000 grant request in accordance with and pursuant to the recitals stated above to the Department of Local Affairs' Energy and Mineral Impact Assistance Program for the Persigo Wastewater Treatment Plant BioCNG Storage Project.

Dated this 20<sup>th</sup> day of November, 2019.



Rick Taggart  
President of the Council



ATTEST:



Wanda Winkelmann  
City Clerk