



ONE CITY. ONE JACKSONVILLE

Public Works – Mowing and Landscape Division Irrigation Trailer

Description:

This City of Jacksonville plants many trees every year. In the last year alone the City has planted well over 1,000 trees and intends to plant many more in the future. To ensure these trees establish themselves and reach their growth potential in order to provide the City with many benefits including shaded streets, it's important that we supplement these trees with water. Thus, we are requesting a watering trailer to assist us in this watering effort on an as-needed basis. We are requesting \$14,450.54 for the watering trailer.

Benefits:

- To increase survivability, overall health, and encourage establishment of city tree planting projects in times of drought and severe heat. Newly planted trees and damaged trees fare poorly in hot, dry weather unless supplemental watering is provided.
- For use in providing water for tree plantings in areas without a water source; 80% of trees planted in the city right of way do not have automatic irrigation.
- To reduce the long-lasting effects of drought on trees. Severe drought can increase the vulnerability of trees during load-bearing events, such as tropical storms or hurricanes. Total tree failure can occur when trees are further weakened by internal drying and cracking, and in some instances, extremely dry soil lacking in cohesive strength to hold a leaning or unbalanced tree upright.



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- To provide water to newly planted trees after the prescribed warranty period has expired.
- To increase survivability and establishment of trees planted via 'Level 1 Tree Planting Program', which allows the City to plant trees within public street right of ways in Duval County upon request of property owner.
- To increase availability of water to city planted trees in an urban environment impacted by compacted soil. To encourage and maintain quality urban tree canopy management.