



# SUSTAINABILITY AT TRWD

**What is sustainability?** The concept of sustainability was first defined as the using natural, renewable resources such that people can continue to rely on their yields in the long term. Now, sustainability has grown to target the human-ecosystem equilibrium in a holistic approach to society's development. A good definition of sustainability now is "meeting the needs of the present without compromising the ability of future generations to meet their own needs."

## **What does Sustainability mean to Tarrant Regional Water District (TRWD)?**

TRWD addresses the community's water supply demand, flood operation, and recreation in a sustainable way, by operating safely, minimizing the adverse impact on our environment and building trust with the communities. Our approach is to be a leader in practicing sustainability in our operations through energy optimization, real time monitoring, condition assessment, equipment rehabilitation. TRWD practices sustainable design, producing the most effective strategy for continued growth of the community. TRWD worked with the Society of Civil Engineers in developing a tool for guiding design. The Institute of Sustainability (ISI) has taken that work and developed Envision®, a tool that explores sustainability in five categories.



**QUALITY OF LIFE** addresses the impact on communities, from the health and wellbeing of individuals to the wellbeing of the larger social fabric as a whole. By understanding the future needs of the community, TRWD develops infrastructure projects aligned with community goals that are incorporated into existing community networks, and will benefit the community in the long term.



**LEADERSHIP** requires a new way of thinking in delivering successful projects. TRWD has been a leader in thinking new and sustainable way of delivering any task. Working with our customers, Dallas and surrounding utilities ensures the wider area's needs are collectively met in the most effective manner possible.



**RESOURCE ALLOCATION.** Resources are the assets that are needed to build infrastructure and keep it running. TRWD understands the resource allocation is about planning with the quantity, source, and characteristics of these resources and their impacts on the overall sustainability of projects. TRWD addresses this in materials, energy, and water use.



**NATURAL WORLD** addresses how to understand and minimize negative impacts while considering ways in which the infrastructure can interact with natural systems in a synergistic, positive way. TRWD's infrastructure projects ensure continued performance of critical functions while maintaining the ecosystem.



**CLIMATE AND RESILIENCE** considerations are twofold: minimizing emissions that may contribute to climate change and other short- and long-term risks, and ensuring that infrastructure projects are resilient. In order to be resilient, TRWD's path for growth is informed, resourceful, robust, redundant, flexible, integrated, and inclusive. TRWD strives for continuous improvement.

*TRWD evaluates continued growth by measuring the impacts using these five categories.*