

DIPRA Facts & Figures

The Benefits of Ductile Iron Pipe

A century ago, dedicated American engineers installed iron pipe to create the country's water systems. This strong, safe, and reliable product has stood the test of time. Modern Ductile Iron Pipe is made to last over 100 years, and is an environmentally preferable product due to its recycled content, energy savings while in service, its durability, its own recyclability and because of the commitment of the Ductile Iron Pipe industry.



Benefits include:

- It requires very little maintenance once it's installed and is designed to last at least 100 years.
- According to a recent report by the American Water Works Association, the projected service life for modern Ductile Iron Pipe is at least 105 years. There is more iron pipe in service in the U.S. than any other pipe material, and Ductile Iron Pipe has the longest service life of any material on the market today.
- Having as much as 90% recycled content, Ductile Iron Pipe is itself a 100% recyclable material.
- Lower costs from increased flow capacity lead to significant energy savings during the pipe's lifetime in service. Ductile Iron saves money.
- It is strong enough to withstand the most severe conditions, from high-pressure applications, to heavy earth and traffic loads, to unstable soil conditions.
- It is resistant to corrosion in most soils, and typically requires only effective, economical polyethylene encasement, a loose sheathing standardized by the American Water Works Association, in aggressive environments.
- With its strength, durability, and conservative design, Ductile Iron is the pipe of choice to protect against surges and increased pressure loadings over the years.
- Installation is easy and safe for workers who can cut and tap Ductile Iron Pipe on site.
- Ductile Iron Pipe is rugged and resists damage during handling and installation.
- The metallic nature of Ductile Iron Pipe means the pipe can be easily located underground with conventional pipe locators.

For details about the benefits of Ductile Iron Pipe or the Ductile Iron Pipe Research Association visit www.dipra.org



Strength and **Durability** for **Life**®

