



Environment, Climate Change and Emissions Reduction Position Statement

PPI - Protecting People, Preserving Resources, and Building Resilient Infrastructure

Protecting People

- **We protect our fresh water resources and environment.** Our piping systems ensure the health and safety of our communities with corrosion resistant piping products having the highest level of joint integrity for the distribution of drinking water and collection of sanitary and storm sewers.
- **We support domestically-produced energy and a diverse low carbon energy portfolio for our communities.** Deployed for more than sixty years, plastic piping systems provide safe distribution of affordable natural gas to homes and businesses.

Preserving Resources

- **We strive toward a lower carbon footprint in manufacturing of our products.** Life cycle assessment reports and the McKinsey report document the lower carbon footprint of plastic pipe and the extensive use of clean-energy resources such as wind or solar, in pipe or resin manufacturing, and utilization of non-fossil fuel-based feedstocks.
- **We embrace a circular economy for our piping materials.** Through collaboration with regulatory agencies and governments, we address barriers to increased use of recycled plastic.
- **We reduce life-cycle emissions of piping systems attributed to repair, construction, congestion, and raw material preparation and transportation.** Our durable plastic piping systems offer service life well beyond legacy piping material options and expectations.
- **We reduce flaring activities and fugitive methane sources.** By extending plastic pipeline infrastructure in oil and natural gas gathering areas, we capture stranded methane resources.

Building Resilient Infrastructure

- **We broaden the piping product choices for use in building and construction projects.** Plastic piping systems decrease energy consumption, conserve water, improve drinking water quality, reduce emissions, and enable Zero Energy Building.
- **We reduce the carbon footprint of infrastructure construction,** by innovating plastic piping products and installation techniques that rehabilitate or replace aging infrastructure.
- **We provide conduit products that protect distribution systems used to transfer renewable energy.** These durable underground conduit systems provide protection for power generated from wind and solar sources. Buried conduit systems protect these critical utilities against severe climatic events like hurricanes, earthquakes, tornadoes, fires, floods, and extreme temperature conditions.
- **We support a diverse energy portfolio for our communities** through development of plastic piping materials, products and technical system design information that support well-sited renewable energy options such as wind, solar, hydroelectric, and geothermal.
- **We embrace new fuel technologies and at less transportation expense.** We support the growing markets for renewable natural gas, synthetic natural gas, and green hydrogen through existing thermoplastic infrastructure, and through innovations in materials and knowledge-sharing of design best-practices.

More information can be found at [PPI - A Greener Infrastructure](#)

The Plastics Pipe Institute, Inc. (PPI) and our members support preservation of our natural resources and seek to minimize environmental impacts from infrastructure projects through innovations in resin development and production, improvements in plastic pipe manufacturing, and life cycle design of plastic piping systems for water, sewer, gas, and technology infrastructure.

About PPI:

The Plastics Pipe Institute, Inc. (PPI) is the major North American trade association representing the plastic pipe industry and is dedicated to promoting plastic as the materials of choice for pipe and conduit applications. PPI is the premier technical, engineering and industry knowledge resource publishing data for use in the development and design of plastic pipe and conduit systems. Additionally, PPI collaborates with industry organizations that set standards for manufacturing practices and installation methods.

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