



ULI Washington

# 2020 Trends Awards Winners

Excellence in Sustainability

## PROJECT TEAM

**Developer & Owner:** United Therapeutics

**Architect & Designer:** EwingCole

**Construction Contractors:** Garth Bastian and Whiting-Turner

**Civil Engineer:** Macris, Hendricks, & Glascock (MHG)

**Project Management:** Stranix Associates

**Commissioning Authority:** Cornerstone Commissioning

**Green Building Consultant:** Atelier Ten

## Unisphere

The 210,000 SF, elliptical Unisphere developed by local biotech company United Therapeutics to manage the production of transplantable organs, is the largest net zero site in the U.S. Unisphere offers numerous innovative solutions and new design applications for achieving carbon neutral goals including: a concrete underground labyrinth for passive heating and cooling, a geo-exchange system, an active beam system, a store water heat rejection system, a pool that doubles as a heat sink, daylight harvesting, glazing and an automated natural ventilation strategy. The building generates 15% more renewable energy than it consumes and uses 50% less energy than a traditional building of comparable size. Because of the success of Unisphere, the state of Maryland now allows future projects to install similar underground geo-exchange systems. Daily monitoring and measurement of building operations allow for ongoing research and evaluation of building technology and performance that will provide valuable insights for future development.



## 2020 Trends Awards Program

The ULI Washington Trends Awards reflect ULI's mission of providing leadership in the responsible use of land and in creating and sustaining thriving communities. The ULI Washington Trends Awards showcase private, public and nonprofit projects that embody the most innovative and creative thinking in real estate development in the Washington regional market. ULI Awards recognize all development aspects of a project: financing, design, project execution and market acceptance.