



# Wayne B. Howell, PE, CEM

Chief Engineer



## Background

Wayne Howell is a Licensed Professional Engineer in 49 states & the District of Columbia. He has over 25 years of multi-disciplinary experience in MEP design and practice management. He is highly skilled in planning, integrating, and executing projects in compliance with client specifications, schedules, and budgets.

## Education

Bachelor of Science, Mechanical Engineering  
Texas A&I University, Kingsville, TX

## Professional Licenses & Certifications

Professional Engineer licensed in 49 States & District of Columbia  
NCEES Model Law Engineer  
AEE Certified Energy Manager #66770

## Registrations

NSPE, PSPE, AEE, NCEES, ASHRAE (Past President, South Texas Chapter)

## Select Project Experience

**PSE&G Program Manager for PSE&G Supermarket Retrofit Energy Reduction Pilot Program, Various, NJ:** 35 Stores located throughout NJ participated in this pilot. Program responsibilities included: Worked in conjunction with PSE&G program manager to Support and Develop Program buy-in for participants, Performed Existing Store Facility Audits and EPA Energy Star Benchmarking, Performed Energy Savings Calculations for suggested facility improvements, Performed and monitored M&V Services for store participants for 12 months, Created Summary reports for PSE&G Program Director and Participants.

**Emerson Regulator Technologies Worldwide Headquarters and Testing Laboratory, McKinney, TX:** New 143,000 SF Corporate Office Building and 100,000 SF Testing Regulator Laboratory. Complete MEP Design for new corporate office building and supporting testing laboratory, including process cooling. Facility requirements included testing of regulators with up to 3500 PSI of air and water, in sizes up to 36 inches in diameter. As part of this project, a separate chilled water process cooling loop was designed to support cooling for over 15,000 HP of high-pressure air compressors.

**Brandywine Global Corporate Offices, Philadelphia, PA:** MEP design for 88,000 SF of new corporate offices over 3 floors. Project included data centers and infrastructure to support financial services, as well as office infrastructure.

**Del-Mar College, Corpus Christi, TX:** MEP Design for Chilled Water Infrastructure and Central Plant Upgrades as part of college energy improvement program.

**The Domain, Phase 2, Austin, TX:** MEP Design of Chilled Water Infrastructure District Cooling Loop to support Phase 2 Development of this mixed-use development. Provided MEP design services for Phase 2, which included 1.5M SF of Mixed Use Residential, 1M SF of Parking Garages, and 350,000 SF of Office Buildings. Project was designed for LEED Silver Certification, using the neighborhood development model.

**McCreless Mall Redevelopment Project, San Antonio, TX:** MEP Design for complete renovation and redevelopment of a previously shuttered Shopping Mall. Project consisted of partial teardown of mall and replacement with multiple retail buildings, a new grocery store, fuel center, car wash, and movie theater, along with multiple national chain tenant fit-outs. Total project size was over 500K SF.

**Norton Manufacturing, Brownsville TX:** MEP Design for new facilities process chiller and air distribution upgrades for an abrasive disc manufacturing operation. Part of Project included conditioning of approximately 44,000 cfm of very humid coastal air to exact specifications for process makeup air and cooling during abrasive manufacturing process.

**Haggar™ Apparel, Edinburg, TX:** MEP design for 350,000 SF Manufacturing Plant, including Chilled Water Central Plant Upgrades & HVAC Replacement totaling roughly 1200 tons to support manufacture of undergarment clothing, and business casual wrinkle free clothing.

**Refinery Training Fire Company Academy, Corpus Christi, TX:** MEP Design for a new training academy used to simulate refinery explosions and large-scale fires using liquid propane. Design included all process piping, and water tank storage infrastructure, pumps, and piping for firefighting operations.

**FedEx Airport Tether and Van Charging Projects, SC, VA, GA, PA, MA, IA, SD, MN, OH Locations:** MEP Design of airport tether and electric delivery van charging stations at multiple airports throughout the US.