

CASE STUDY

City of Dallas Uses Federal Funds to Upgrade Indoor Air Quality

TDINDUSTRIES FACILITIES PROVIDES HVAC SYSTEM DESIGN, UPGRADES AND PLANNED MAINTENANCE



City of Dallas






Photo Courtesy of University of Texas

Why TDIndustries?

- MEP design, construction and equipment maintenance and operations are TDIndustries' core business.
- Solutions engineered to fit your long-term needs in a strategic, phased approach to work with your budget.
- We design long-term indoor air quality and HVAC system solutions that reflect ASHRAE best practices.
- Prenegotiated cooperative agreements provide ongoing customer discounts.

Challenges

TD Solutions

 Allocation and utilization of federal funding	 Cooperative partnerships throughout the Southwest
 Meet funding deadlines	 Experienced Facilities techs based across Arizona and Texas
 Aging equipment and infrastructure	 Core mechanical design and construction expertise
 Unit changeouts needed	 Expertise to replace 15+ year old or R22 units
 False starts, slow progress	 75+ years of excellence and ability to meet deadlines

“The TD Engineering Team recommendations for Indoor Air Quality (IAQ) improvements are based on engineering knowledge, project experience and utilization of Subject Matter Expert recommendations from organizations such as The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).”

— Jeff Farley, TD's lead Senior Mechanical Engineer on the project

Dallas IAQ Upgrades

What: Update Indoor Air Quality in 60+ City of Dallas buildings (6.7+ million sq. ft.) using federal COVID-19 funds and resources by phased federal deadlines, the first in September 2022

How: Government-preferred Cooperatives work with you and TDIndustries to make approved updates to HVAC, mechanical equipment using federal funds





TDIndustries was tasked with providing Indoor Air Quality (IAQ) Services to the City of Dallas during the peak of COVID-19. To embrace this challenge, TD utilized a variety of methods.

Working with Cooperatives

The federal government advises using a cooperative for federal funds. A co-op allows our client to procure services without going out to RFP with pre-approved quality assurance and group procurement discounts.

How: The co-op provides publicly procured, competitively solicited contracts for a wide array of products and services. It establishes master agreements based on rigorous and transparent competitive solicitations conducted in accordance with public procurement guidelines.

Client benefit: Lower total costs. Cooperatives' specifications are designed to reduce the total resources (in both hard and soft costs) that its members expend from procurement and acquisition to delivery, payment and ongoing service.

Phased Design

Once Facilities services were procured through the co-op, TD's in-house licensed mechanical engineers assisted in a phased design. This allowed TD to prioritize high-impact areas and allocate spending in a structured approach. Using ASHRAE IAQ standards, TD engineers assessed mechanical system features to identify high-impact areas for improvement.

Results

TDIndustries Dallas Facilities team provided IAQ improvements across **6.7 million sq. ft.** of City of Dallas properties.

City of Dallas 60+ properties include:



40+ Fire Stations



5+ Municipal Buildings



6+ Police Stations



5+ Recreation Centers



10+ Libraries

and More

This was all accomplished using federal funding via a cooperative.

Prioritized Allocated Spending

PHASE I
Assessment

PHASE II
Design Minimums

PHASE III
Unit Upgrades and/or Changeouts

PHASE IV
Continued Maintenance

Cooperative partnerships | Professional engineers | Efficient performance | Trusted adviser | Exceptional 24/7 support

CONTACT US TODAY to get started.
469-717-6680

Don't miss out on federal funding to upgrade your buildings' IAQ.