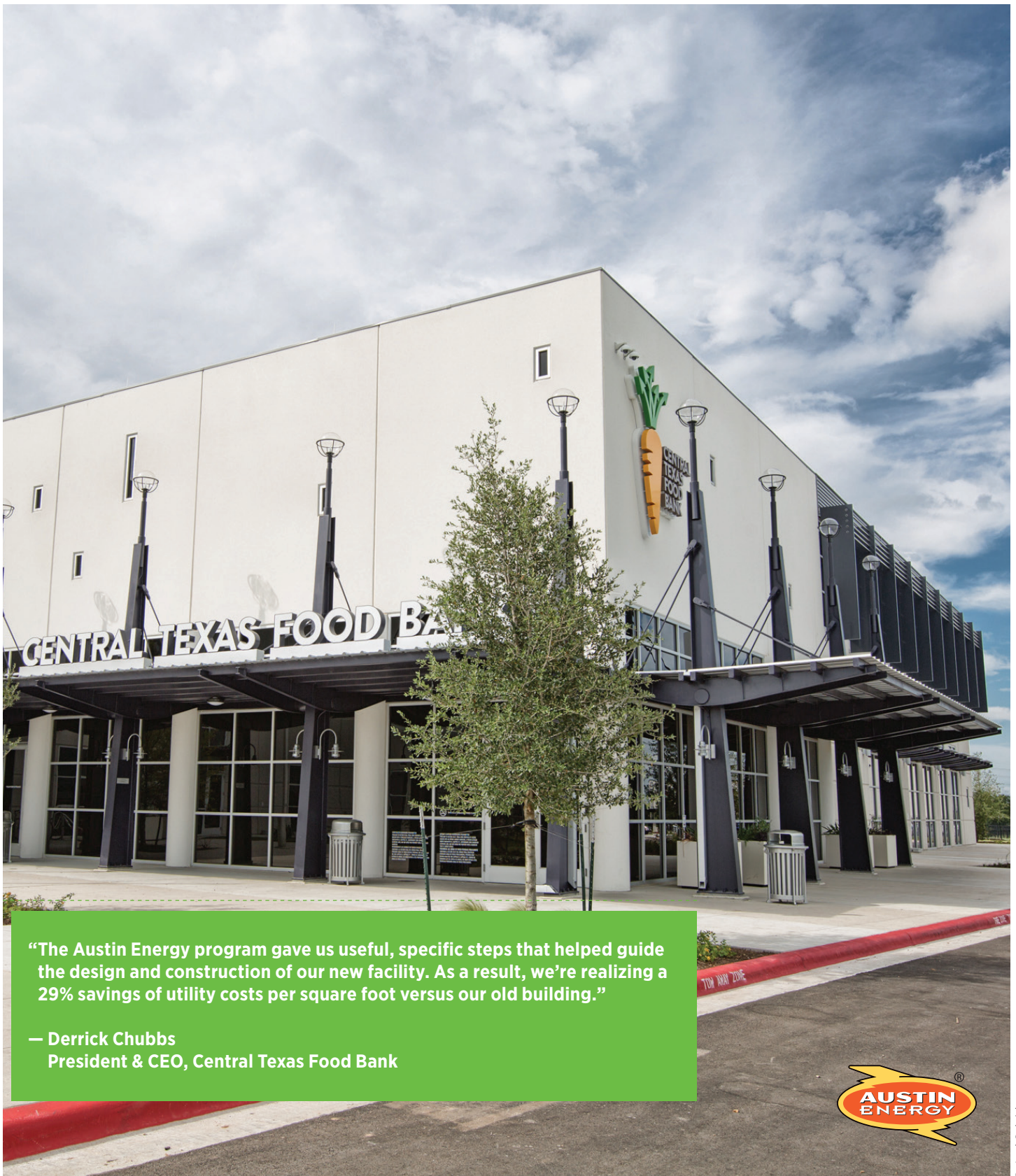




CASE STUDY  
**CENTRAL TEXAS FOOD BANK**

GREEN BUILDING RATING:  
★ ★ ★



“The Austin Energy program gave us useful, specific steps that helped guide the design and construction of our new facility. As a result, we’re realizing a 29% savings of utility costs per square foot versus our old building.”

— Derrick Chubbs  
President & CEO, Central Texas Food Bank





## CASE STUDY CENTRAL TEXAS FOOD BANK

GREEN BUILDING RATING:  
★ ★ ★

### TOP FEATURES:

- » 40.1% energy savings
- » Community garden for food production and education
- » 75% of construction waste (131 tons) diverted from landfill
- » Irrigation water use reduced by 84% and indoor water use reduced by 22.3%
- » 39% of building materials comprised of recycled content, 35% of building materials are Texas-sourced materials

### PROJECT DESCRIPTION:

Central Texas Food Bank is the largest hunger relief charity in Central Texas. To serve growing need in Austin and surrounding communities, the organization constructed a new 133,704 sq. ft. facility incorporating warehouse storage, offices and a commercial kitchen.

The facility provides double the food bank's previous warehouse capacity and seven times the refrigeration and freezer storage capacity. The commercial kitchen helps reduce food waste, enabling cooking and freezing. The generous 11.6 acre site provides space for a community fruit and vegetable garden. Both the kitchen and the garden also serve as classrooms, hosting educational cooking and gardening classes.

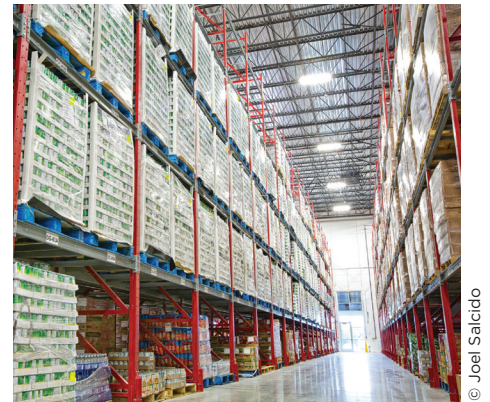
### ENVIRONMENTAL FEATURES:

Central Texas Food Bank received \$24,235 in rebates from Austin Energy for a combination of energy efficiency measures. The food bank team exceeded their original 2-Star goal; an additional star's worth of points was earned for the facility's 40% energy savings. A two-stage water-cooled refrigeration system that uses under-slab heat recovery for frost protection accounted for 79% of those savings. Efficient lighting, HVAC and occupancy sensors provided additional energy savings.

Indoor water use was reduced with low-water using fixtures and equipment. Irrigation water need was reduced using a combination of low-water using plant species, drip irrigation and by designing portions of the landscape that will require no irrigation once the plants are established.

Building materials were selected from sustainable sources. The storefront, framing, insulation and gypsum board were all manufactured in Texas. Low-VOC adhesives, sealants, paints/coatings, and formaldehyde-free insulation were specified to create a healthy working environment for construction workers, food bank employees and volunteers.

An Integrated Pest Management Plan and Green Housekeeping Policy were implemented for best practices in day-to-day building operations. These programs require cleaning, janitorial and pest-management products that qualify as non-toxic, least-toxic and sustainable.



### PROJECT PROFILE

**Zip Code** » 78744  
**Neighborhood** » McKinney  
**Building SF** » 133,704 sq. ft.  
**Rating Date** » Winter 2016  
**Owner** » Central Texas Food Bank  
**Architect** » Studio 8 Architects  
**General Contractor** » Zapalac/Reed  
**MEP Engineer** » Bay and Associates  
**Landscape Architect** » TBG Partners  
**Commissioning** » EEA Consulting Engineers  
**Structural Engineer** » Bihner Chen Engineering

**Austin Energy Green Building** is leading the building industry to a sustainable future with green building ratings and educational/professional development services.

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