

East Central ISD Cool Schools Grant Project

FACTS

LOCATION

San Antonio, TX

PROJECT DATES

09/2012 – 01/2013

PROJECT SIZE

Buildings: 3

CONTRACT

Amount: \$1,900,000

Cool Schools Grant: \$1,900,000

Type: Lump Sum

Escalation Factor: N/A

Guaranteed Savings: N/A

*AIA Document A107 Contract

TEAM

PROJECT DIRECTOR

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CONSTRUCTION MANAGER

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CONTACTS

OWNER

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PROJECT OVERVIEW

East Central ISD, with the help of McKinstry, applied for the Texas Cools Schools Grant for assistance in replacing aging HVAC equipment throughout the district that served educational spaces. In June 2012, the State Energy Conservation Office (SECO) approved the district's grant request. In total, 40 pieces of equipment were replaced at several facilities:

Heritage Middle School

McKinstry replaced 29 packaged rooftop units with AAON DX gas heating systems that range in capacity from 13 to 70 tons. The majority of the units had two stages of heating and two stages of cooling.

East Central High School

The two chillers serving the Math and Science building were replaced with 100-ton York chillers.

Early Childhood Development

Nine packaged rooftop units and two split systems were replaced with packaged AAON DX Gas heating systems. All units were 8-ton single stage cooling units with two stages of gas heat except for one 13-ton unit with an additional cooling stage.

The scope also included retro-commissioning of the new equipment and corresponding controls, including disconnecting the control board and mounting and wiring it to the new units. McKinstry's commissioning team reviewed the mechanical and controls installation and the start-up information for each unit. Functional tests were developed and performed.