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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CONTACTS
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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.