



Energy Use Intensity (EUI) = 155.1 kBtu/sf/yr
Percent CO2 reduction = 23%
ENERGY STAR design rating = 75

Annual Savings Statistics (compared to an average building
EPA rating of 50)

Energy savings = 10,607,421.2 kBtu
CO2 savings = 585.2 tons CO2

- 224,500 sf, 100% Educational Space
- Construction to be completed August, 2008
- Geothermal Heat Exchange handles 60% of building cooling load, the remaining 40% is cooled with a cooling tower
- Cooling tower pre-cools the geothermal loop during the night to prepare for the daytime cooling needs
- 90% of spaces have natural daylight
- No boiler, all domestic hot water heated with building's own waste heat
- Community use of school resources such as cooking classes held in the demonstration kitchen, community assemblies in the banquet hall



East Career and Technical Academy Clark County School District Las Vegas, Nevada

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