



# Energy Services Success Story – Douglas County School District



# Douglas County School District



- 6<sup>th</sup> largest school district in the state
- Serving the communities of Gardnerville, Minden and South Lake Tahoe
- Facilities for 6,000 students comprised of 822,000 sq. ft.
  - 7 elementary schools
  - 2 middle schools
  - 2 high schools
  - 6 support buildings
- High quality education based on District Competency Objectives and Common Core Standards



# Why Performance Contracting?



- Budget stretched to the limit
- Declining revenues
- Rising utility costs
- Facility upgrades needed
- Infrastructure improvements needed



# Performance Contracting to Upgrade Facilities



- \$5.1 million base project supported by \$456,000 in guaranteed annual savings
- \$5.9 million in bonds and grants leveraged
- Total project value \$11 million

# Measures Implemented



- Lighting improvements
- HVAC system repairs
- Equipment replacements
- District-wide centralized energy management system
- Smart trash compactors
- New fire alarm system
- Solar photovoltaic system



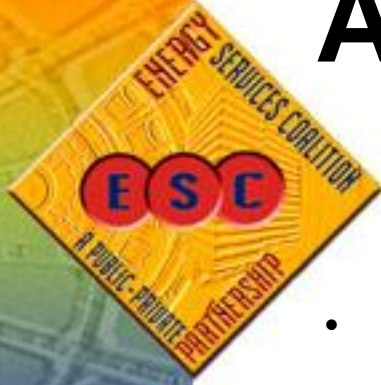
# Project Benefits



- Better learning environment for students
- Better working environment for staff
- Trained maintenance staff to operate new equipment
- High performance buildings reflecting student performance goals
- Measurement and verification of savings
- Continued and additional savings
- Student learning opportunities
- Local economic benefit



# A Team Approach



- District departments
  - Business Services
  - Maintenance and Grounds
  - Information Services
  - Student Nutrition Program
  - Board of Trustees
- Energy Service Company (ESCO) – selected through an RFP
- Financing Company
- 3<sup>rd</sup> Party Project Facilitator
- Nevada legislation guided the way



# Conclusions:



- Achieved building improvements district wouldn't have otherwise been able to obtain
- Recommended – YES!
- For more information, visit the success story prepared by the Nevada Governor's Office of Energy

