

# Kyrene School District Energy Sustainability Efforts

September 28, 2010

# Sustainability Efforts

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- “Go Green” Efforts
  - School-based
  - Procurement
  - Technology
  - Facilities
  - Transportation
  - Community Collaborations

# Sustainability Efforts

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- Goal 3 – Objective A & C
- Facility Improvements
- 2005 Bond Initiative
- Excess Utilities elimination
- Reduce energy & natural resource consumption
- Use of District facilities
- Reduce the utility expenses in the M&O budget allowing additional revenues for instructional purposes

# System Upgrades

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- Chiller Equipment
  - 19% increase in efficiency
- Energy Management
  - 20% of use is during peak rates
  - 20% of use is during shoulder rates
  - 60% of use is during off peak hours
- Lighting
  - T-12 to T-8 systems
  - Rebates

# System Upgrades

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- Skylights
  - Renovations and upgrades
  - Lighting controls
- Technology Upgrades
  - Flat panel monitors
  - Sleepy
- Behavioral Changes

# Total Cost Savings

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- System upgrades over the past 5 years
- Surveyed 26 campuses
- Total estimated Maintenance and Operations budget savings annually:

**\$500,000**

# Energy Star Recognition

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- US Department of Energy program
- Recognizes schools in the top 25 percentile of reduced energy consumption
- Currently 26 schools in Arizona have been identified
- **Kyrene has identified 11 school campuses eligible for this distinction!**

# Energy Star Recognition

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Campus	Percentile
Centennial	88
Colina	88
Esperanza	81
Lomas	80
Milenio	83
Monte Vista	83
Ninos	76
Norte	77
Paloma	83
Sierra	76
Sureno	76



# Next Steps

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- November 2010 Bond Election
- Energy Star Recognition
- Student Superintendent Council
- School Communications
- Complete Report on Website