

Architectural Excellence Award Committee
May 5, 2008



Chandler Fire Admin. Building

Chandler Green Building Program



Presentation Overview

- ◆ Green Building Background
- ◆ Chandler Green Building Program



Pecos Village
Pursuing LEED Silver Certification



Building Statistics

■ Buildings Consume (Nationwide):

- **70%** of electricity
- **39%** of primary energy
- **25%** of all water supplies
- **40%** of all raw materials

■ Buildings Generate:

- **35%** of solid waste
- **36%** of CO₂ emissions
- **46%** of SO₂ emissions
- **19%** of NO_x emissions
- **10%** of fine particulate emissions



Chandler Airport Commerce Center

Green Globe Certified

Sources: DOE, EPA,
USGS, Worldwatch
Institute



Green Building Characteristics

- ✓ Energy Efficiency
- ✓ Water Conservation
- ✓ Environmentally-Sensitive
Material Use
- ✓ Sustainable Site Development
- ✓ Smart Investment



Chandler CARE Center:
Pursuing LEED Certification



LEED

- ◆ Leadership in **E**nergy and **E**nvironmental **D**esign
- ◆ Nationally-Recognized Green Building Rating System
- ◆ Established by the U.S. Green Building Council (1998)



Chandler Green Building Program



Chandler Fire Administration Building
Pursuing LEED **Silver** Certification

Perlman
Architects of Arizona



Chandler Green Building Program

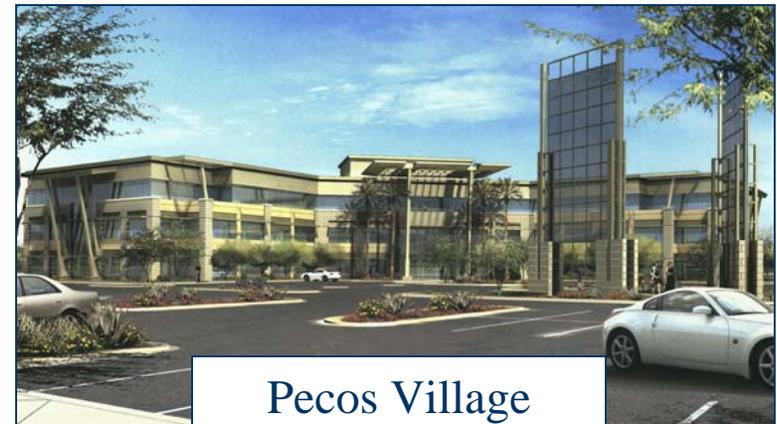
Draft Program

1. Code Modification
 - a. International Energy Conservation Code (2006)
 - b. International Plumbing Code (2006)
2. Green Development Program
3. Incentives for Private Development
4. City Green Building
5. Green Building Education and Outreach



Draft Program Incentives for Private Development

- ◆ Incentives Awarded to LEED-Certified Projects:
 - Expedited Plan Review
 - Technical Assistance
 - LEED Certification Fee Reimbursement
 - **Developer Recognition**

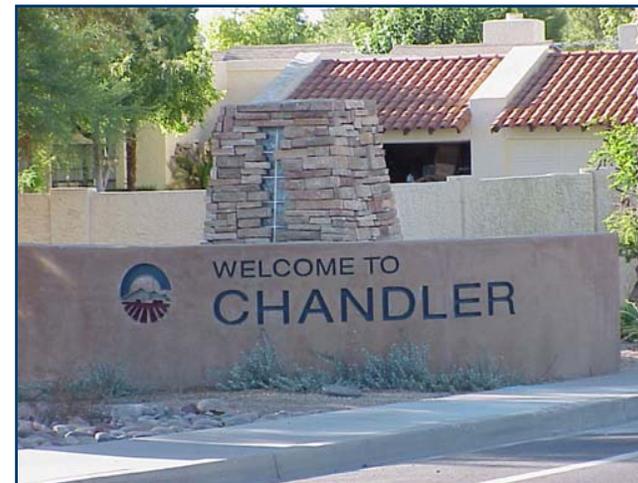


Pecos Village
Pursuing LEED Silver



Draft Program City Commitments

- ◆ LEED-Certification for New City Buildings
- ◆ Energy Upgrades to Existing Buildings
- ◆ Education and Outreach



Discussion

Questions/ Comments

