



# Green Building: Changing your Community One Building at a Time

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## **Changing County Buildings One Room at a Time**

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*Presented by Selena O'Neal, CEM*

*Ada County*

*August 2006*

# Ada County Overview

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- ✦ 1,060 square miles
- ✦ County seat is Boise
- ✦ 345,000 people in 2005
- ✦ 14% increase since 2000
- ✦ 24% of Idaho's population



# Buildings Overview

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- ✦ Courthouse and Administration Building
- ✦ Public Safety Building Complex
- ✦ Juvenile Court Services
- ✦ Barber Park Admin and Raft Building
- ✦ Coroner's Office - Morgue
- ✦ Morris Hill Records Retention
- ✦ Justice Center
- ✦ Weed, Pest, and Mosquito Abatement (tbc)

# Energy Plan

- ✦ Commissioning
- ✦ Energy Performance
- ✦ Recycling
- ✦ Certifications
- ✦ Education
  - ◆ Employee
  - ◆ Public

The poster features a green vertical banner on the left with the text "Alternative Fuels" and "Resustainable Practices" written vertically. The main title "REBUILD ADA COUNTY" is at the top in large green letters, with "2006-2007" below it. A collage of six photographs shows various energy and sustainability projects: solar panels on a roof, people at a recycling station, a building at night, a car wash, a water truck, and industrial equipment. Below the photos is the text "PARTNERSHIP MEETING JULY 18, 2006". At the bottom are three logos: the ADA County Seal, the Rebuild America logo, and the Green Building Council logo.

# Green Building Resolution 1180

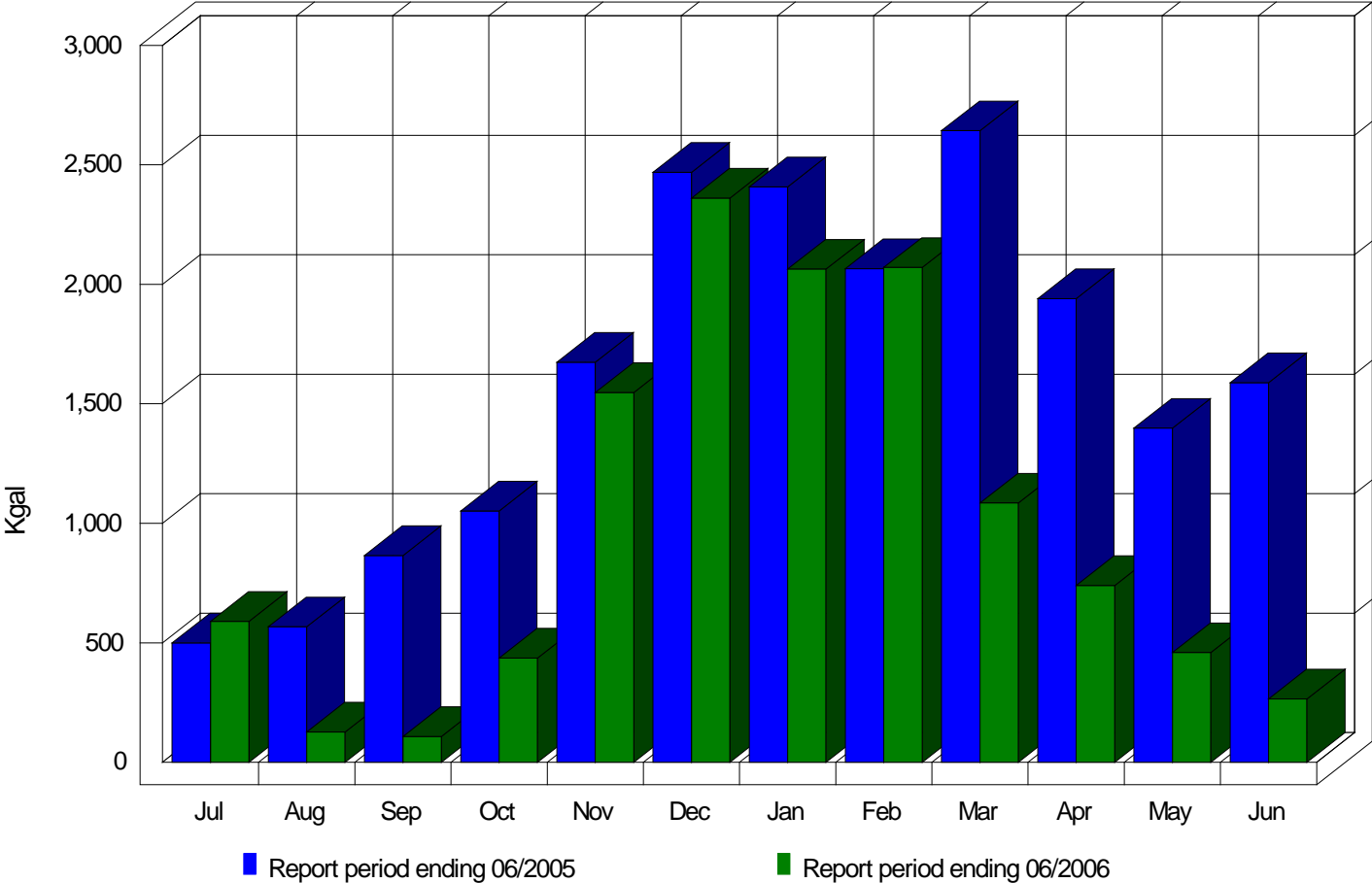
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## *All new construction and retrofit projects:*

- ✦ incorporate sustainable design and energy efficiency into the Owner's Criteria
- ✦ incorporate Building Commissioning into the Owner's Criteria
- ✦ > 10,000 gross ft<sup>2</sup> of occupied space shall meet or exceed LEED certification requirements

# Utility Tracking Software

Monthly Geothermal Use for Courthouse/Admin Bldg

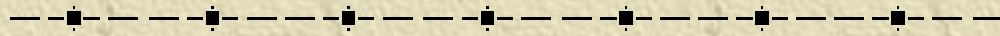


# ENERGY STAR

✦ Score of 76 in 2004    ✦ Score of 79 in 2005



# Courthouse and Admin Bldg, LEED-EB Silver Certified



## Green Facts

Ada County Courthouse  
& Administration Building  
Boise, ID

LEED-EB Rating out of 76

**Silver** 37

Sustainable Sites 10/16

Water Efficiency 1/5

Energy & Atmosphere 10/22

Materials & Resources 6/10

Indoor Environmental Quality 8/18

Innovation & Design 2/5

*LEED-EB Certified, March 31, 2005*



# Development Services, LEED-CI Certified



## Green Facts

Ada County Courthouse  
Development Services Dept  
Boise, ID

LEED-CI Rating out of 57

**Certified** 26

Sustainable Sites 6/7

Water Efficiency 0/2

Energy & Atmosphere 6/14

Materials & Resources 4/14

Indoor Environmental Quality 8/15

Innovation & Design 2/5

*LEED Certified, April 2006*

# Barber Park Admin Bldg and Rental Facility, LEED-NC

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# Green Roof



# Other Sustainability Efforts

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- ✦ King County - Emissions Inventory
  - ◆ Hybrid vehicles and low emission buses
- ✦ City of Portland - Office of Sustainability
  - ◆ Priority in the permitting process
  - ◆ Project manager to work one-on-one
- ✦ Ada County – Comprehensive Plan
  - ◆ Encourage green building technologies
  - ◆ Construction waste recycling

# Ada County's Ecological Footprint



- ✦ Measure of Sustainability
- ✦ Impact on the Environment
- ✦ Use of Resources
- ✦ Production of Waste

# Consumption

# Offsets

- ✦ Building Energy Use
- ✦ Emissions
- ✦ Land Use
- ✦ Transportation Fuel

- ✦ Alt Transportation
- ✦ Green Buildings
- ✦ Green Power
- ✦ Recycling



# Conclusion

