



U.S. GREEN BUILDING COUNCIL

LEED CERTIFIED

2007

55 million students

and **5** million faculty

20% of America's population

LEED for Schools

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Objectives:

- **Know what LEED stands for.**
- **Understand how Green schools benefit:**
 - Students, Teachers, all occupants
 - Your bottom line
 - Our Communities
 - Our Nation
 - Our Environment
- **Learn how you can take the next step.**

Everblue – A Veteran Owned Business



Everblue is doing our part to help fix America's energy problems so that soldiers in pink boxers won't have to shoot Taliban anymore.

Everblue Classes Nationwide



Leeds vs LEED



Leeds Town Hall



Photo by Greg Hamra



Photo by Greg Hamra



LEED Certified buildings

LEED

Leadership in Energy and Environmental Design

- A rating system for high-performing buildings
- Developed in 1998 by the US Green Building Council.
- Encompasses more than 14,000 projects in the USA and 30 countries and over *one billion* square feet of development area

Various LEED rating systems

Rating System

LEED for New Construction

LEED for Core & Shell

LEED for Schools

LEED for Healthcare*

LEED for Retail*

LEED for Commercial Interiors

LEED for Retail Interiors*

LEED for Existing Buildings

LEED for Existing Schools*

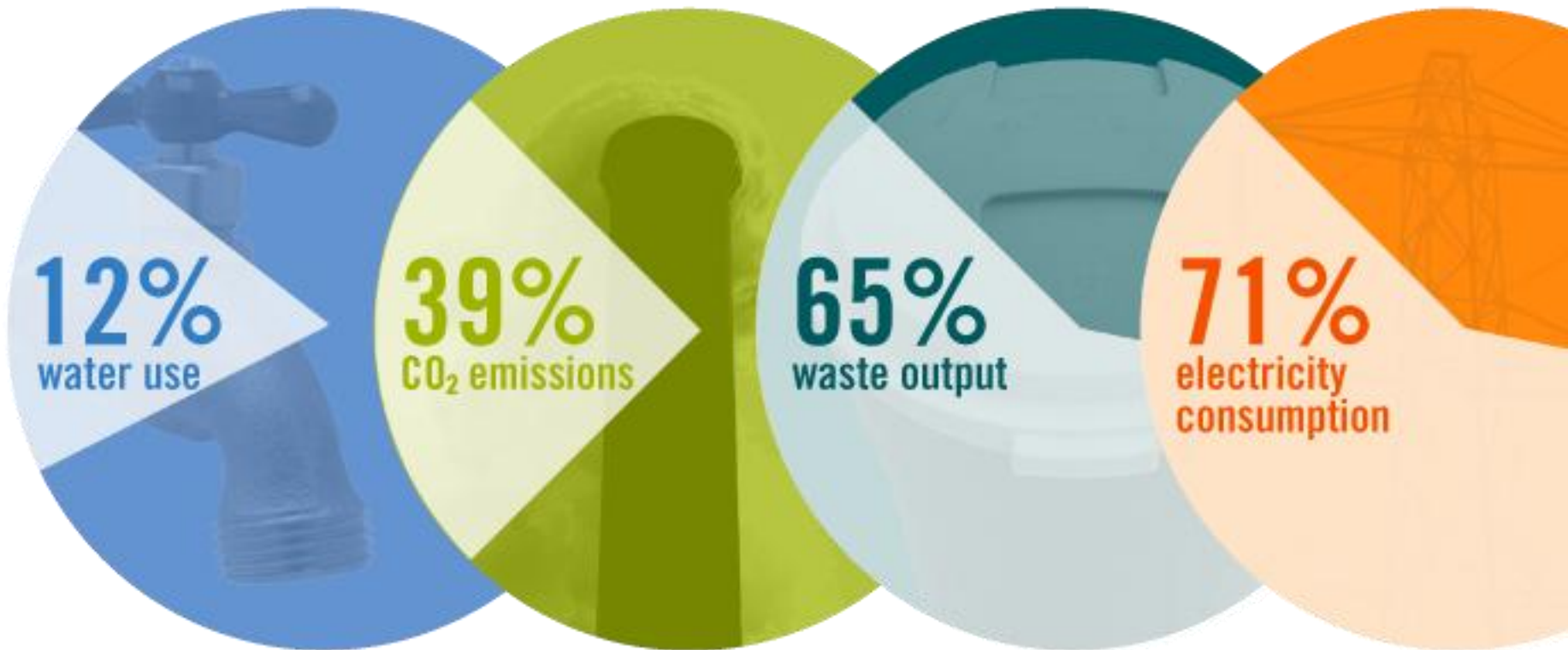


Photo by Greg Hamra

LEED Buildings



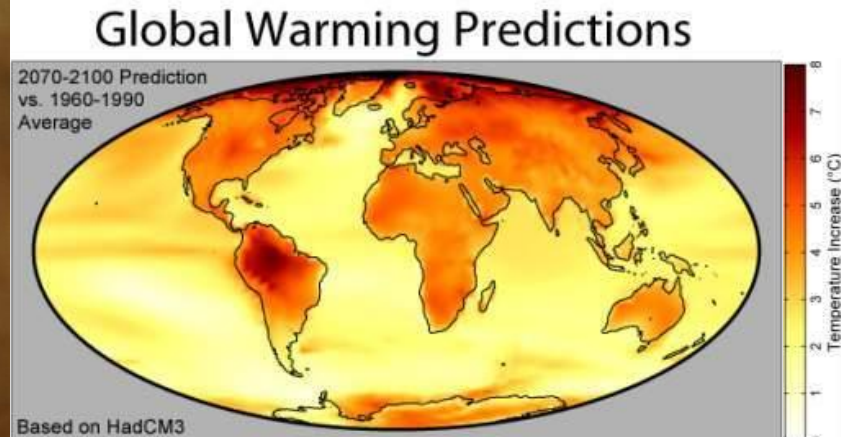
U.S. Building Impacts:



Energy Impacts of US Buildings

- Buildings consume almost 40% of the energy and over 70% of the electricity produced in the US.
- Burning Fossil Fuels produces: CO, CO₂, Sulfur Dioxide, Nitrogen Dioxide, Arsenic, and Mercury

It's Dirty... It's Dangerous... It's Depleting





**ENERGY
USE**

30-50%

**CARBON
EMISSIONS**

35%

**WATER
USE**

40%

**SOLID
WASTE**

70%

Average Savings of Green Buildings

**ENERGY &
WATER COSTS**



**STUDENT HEALTH
& TEST SCORES**

CASE STUDY
30 Schools
Studied

33.4%

Average direct
energy savings

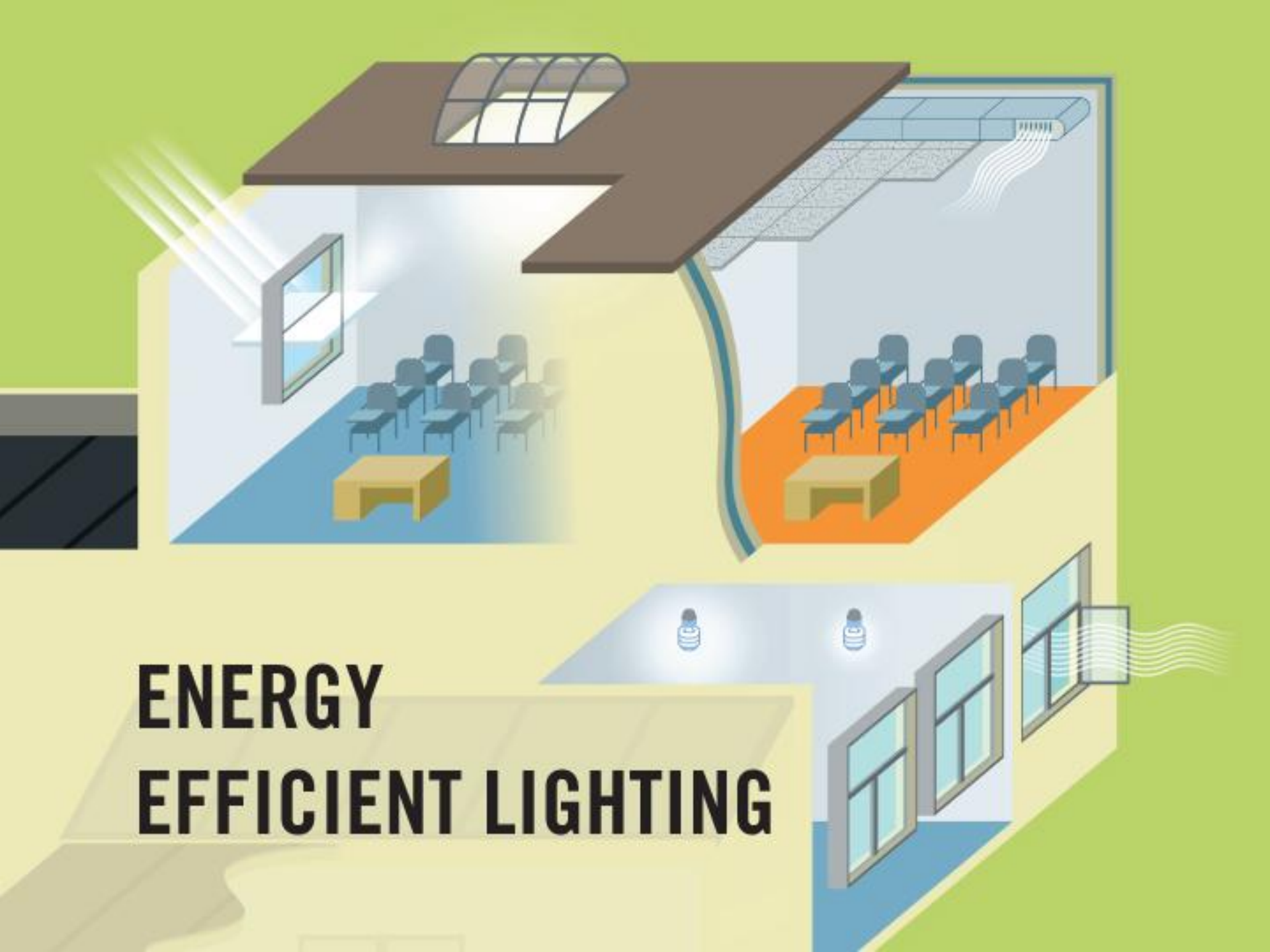
50%

Average indirect
energy savings

32.1%

Average water
savings





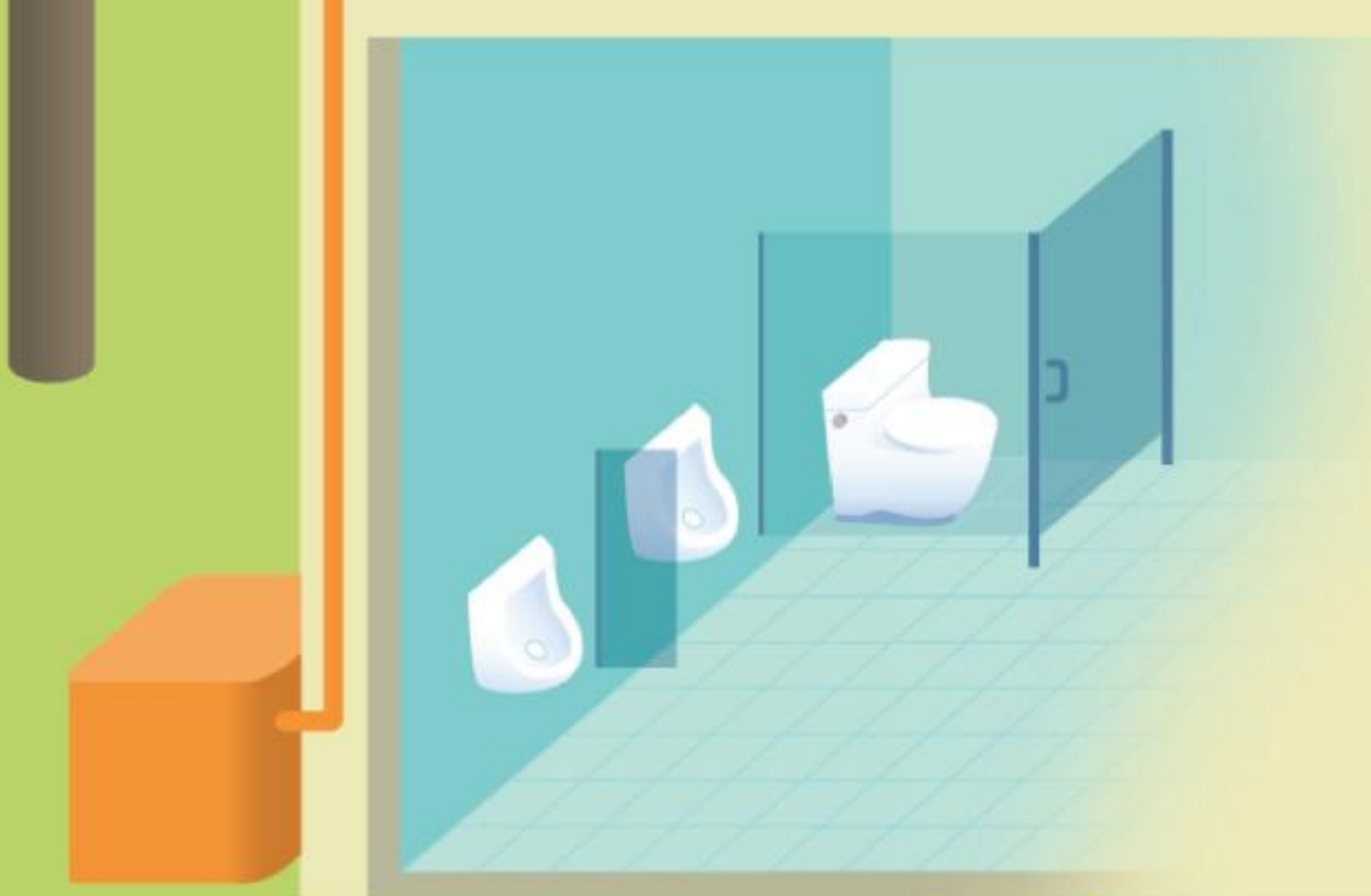
ENERGY EFFICIENT LIGHTING

SOLAR PANELS



GREEN ROOF





WATER EFFICIENT

**DIRECT SAVINGS
FOR AN AVERAGE
GREEN SCHOOL**

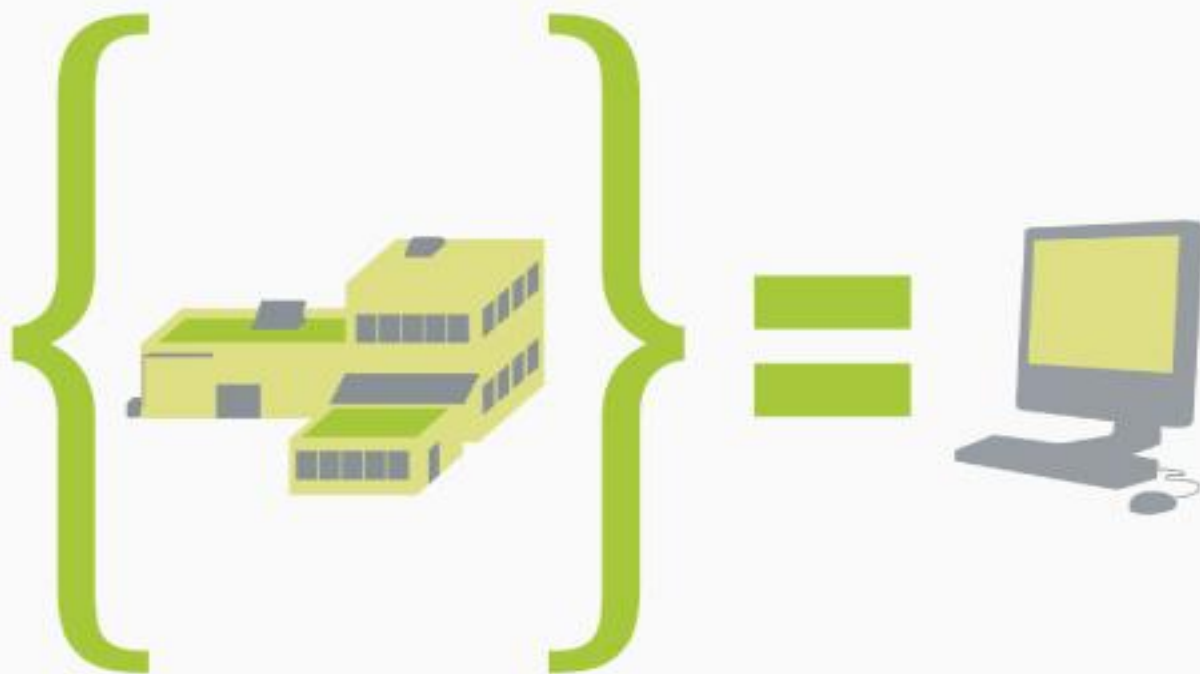
\$47,880

Annual Direct Energy Savings Per School

\$95,760

Annual Total Direct Savings Per School

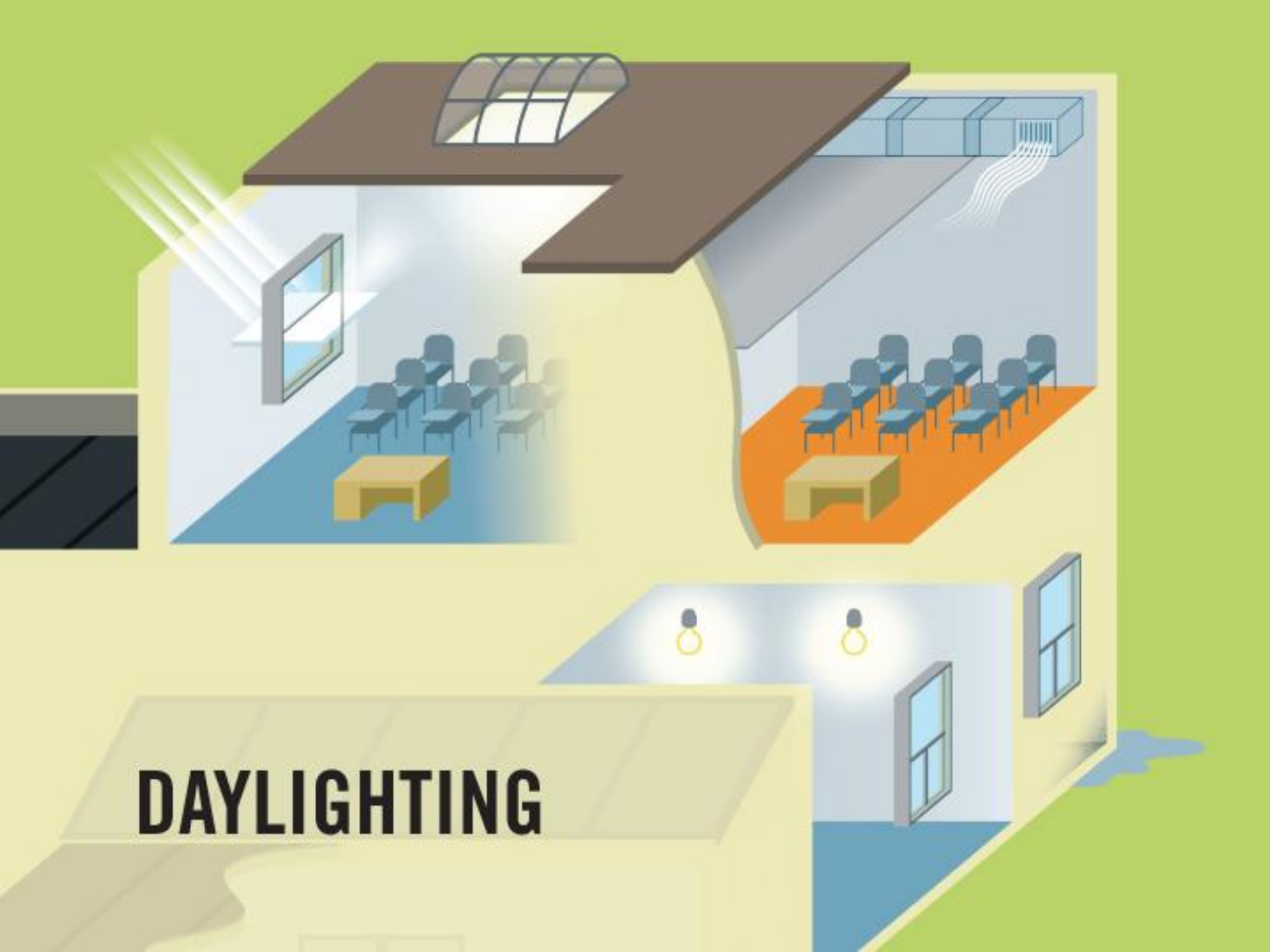




\$100,000

Green schools benefit the bottom line:

- The total financial benefits are 20 times greater than the initial cost.
- \$100,000 a year could pay for:
 - Two teachers
 - 200 new computers
 - 5,000 new text books



DAYLIGHTING



ACOUSTICS & THERMAL COMFORT

**LEARNING
BENEFITS
OF GREEN
SCHOOLS**

=

+3%
INCREASE IN PRODUCTIVITY,
LEARNING, & PERFORMANCE

AND

-3%
DECREASE IN
TEACHER TURNOVER

Benefits

- Numerous studies have demonstrated direct benefits to student health and performance.
- Natural daylight improves performance.
- Good indoor air quality improves health.
- Good acoustics increases learning potential.
- Comfortable indoor temperatures increase occupant satisfaction.



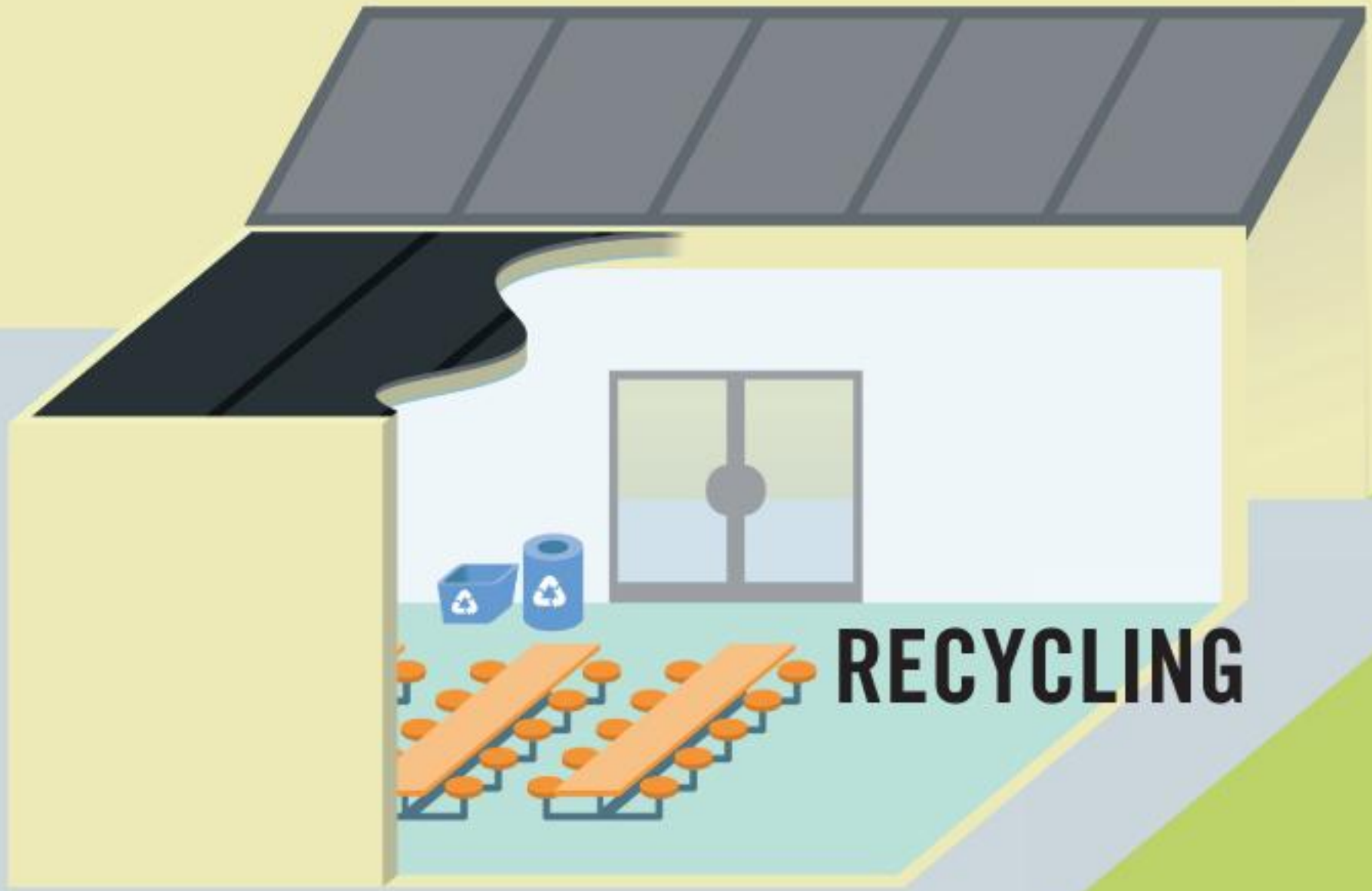
MOLD PREVENTION



Green Cleaning Products

**LOW-EMITTING
MATERIALS**





RECYCLING

JOINT USE



Green Schools are Springing Up Everywhere

LEED Certified: **169**

Registered: **1,515**

HECTOR P. GARCIA MIDDLE SCHOOL

The image shows the exterior of Hector P. Garcia Middle School. The building features a combination of brick and metal siding. The brick section is dark red, and the metal section is silver with vertical slats. A large glass facade is visible on the right side of the building. The name "HECTOR P. GARCIA MIDDLE SCHOOL" is inscribed on the brick wall. In the foreground, there is a concrete plaza with some circular patterns and a set of wide, light-colored stone steps leading up to the building. The sky is blue with scattered white clouds.

Photo by James Steinkamp

As of June 2009

Help improve your community!
Earn your [LEED Green Associate](#) credential.

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