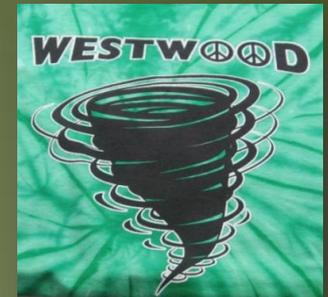
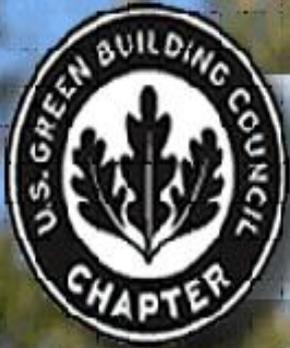


# WESTWOOD MIDDLE SCHOOL STUDENT SERVICES BUILDING U.S. GREEN BUILDING COUNCIL LEED "SILVER" AWARD



# U.S. GREEN BUILDING COUNCIL LEED AWARD



## USGBC Heart of Florida Chapter



**LEED (Leadership in Energy and Environmental Design)** is a voluntary, green building rating system developed by the USGBC in March 2000.

Whole building approach to sustainability recognizes performance in key areas of human and environmental health

Four levels of LEED certification are Certified, Silver, Gold, and Platinum.

# US Green Building Council LEED Criteria



**Sustainability of Site**

**Water Efficiency**

**Energy Savings**

**Material Selection**

**Indoor Environmental Quality**

**Innovation and Design**

# WESTWOOD MIDDLE SCHOOL STUDENT SERVICES BUILDING

6,700 s.f. building for Administrative staff including Guidance and Clinic  
Completed in March, 2010 for \$1.5 million  
Awarded LEED Silver Certification in February, 2011



# WESTWOOD MIDDLE SCHOOL STUDENT SERVICES BUILDING PROJECT TEAM

Architect: Craig Salley and Associates, Gainesville, Florida

Engineer: Campbell Engineering of North Florida, Gainesville, Florida

LEED Consultant: Cross Creek Initiative, Cross Creek, Florida

General Contractor: J. A. Standridge Construction, Melrose, Florida

SBAC Project Coordinator: Eddie Souza



# WESTWOOD MIDDLE SCHOOL STUDENT SERVICES BUILDING



# Sustainability of the Site

Silt fence during construction minimizes run-off



# Sustainability of the Site

Bike parking area and proximity of city bus stop reduces automobile traffic.



# Sustainability of the Site

Retention pond on site helps clean and recharge the Floridan aquifer



3215 NW 15 Ave, Gainesville, FL 32605

# Sustainability of the Site

Use of native landscaping and preservation of existing trees eliminate the need for an irrigation system.



# Water Conservation

All hand-washing sinks are provided with motion sensors that operate only upon demand.



# Water Conservation

Restrooms are provided with low-flow toilets with automatic flush valves and water conserving showers to reduce use of water.



# Energy Conservation

High efficiency (16 SEER) air conditioning and gas-fired heating equipment (95% AFUE) along with MERV 8 air filters at return grilles use approximately 20% less energy overall.



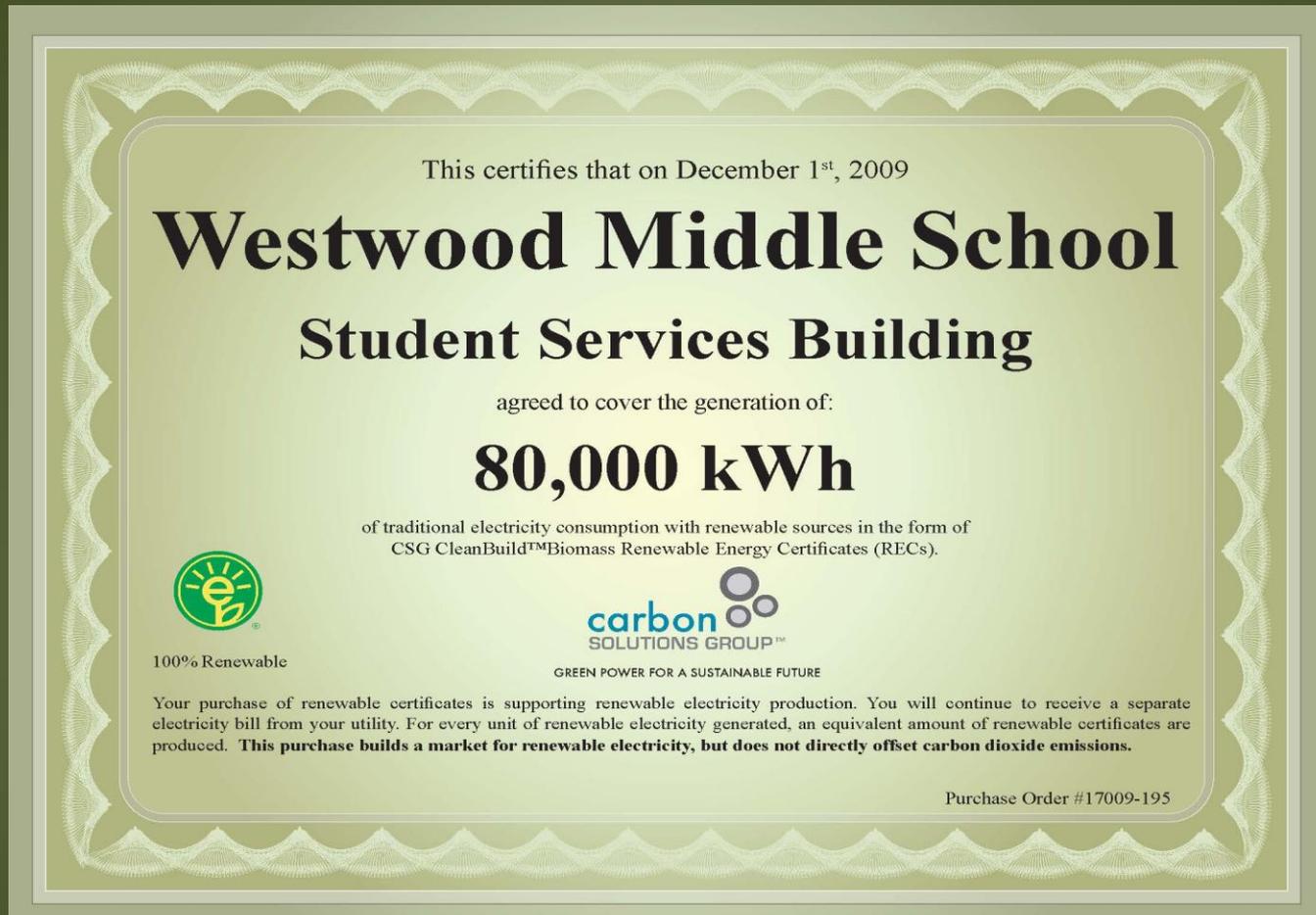
# Energy Conservation

HVAC monitoring keeps track of energy performance, facilitates after hours use, and alerts building operations staff to any equipment malfunctions.



# Energy Conservation

A Renewable Energy Certificate (REC) helps support generation of green power throughout the United States.



# Energy Conservation

Higher efficiency lighting is controlled by motion sensors to ensure lighting is off during unoccupied times.



# Energy Conservation

Use of daylighting in 85% of spaces, including clerestory windows in the reception area, reduces need for artificial light.



# Energy Conservation

Roofing material's light color reflects rather than absorbs heat.



# Energy Conservation

Site lighting is designed to minimize light pollution at night.



# RECYCLING MATERIALS AND RESOURCES

A waste management plan diverts construction material from the landfill by recycling some materials, such as steel.



# RECYCLING MATERIALS AND RESOURCES

The use of regional and recycled materials such as concrete and steel reduce the carbon footprint.



# RECYCLING MATERIALS AND RESOURCES

Renewable materials such as wood for doors and cabinets comes from forests that practice sustainable growing methods.



# Materials and Resources

The protection of ductwork during construction minimizes pollution and other possible contaminants.



# Materials and Resources

The installation of an under slab ventilation system ensures a building free from possible radon contamination.



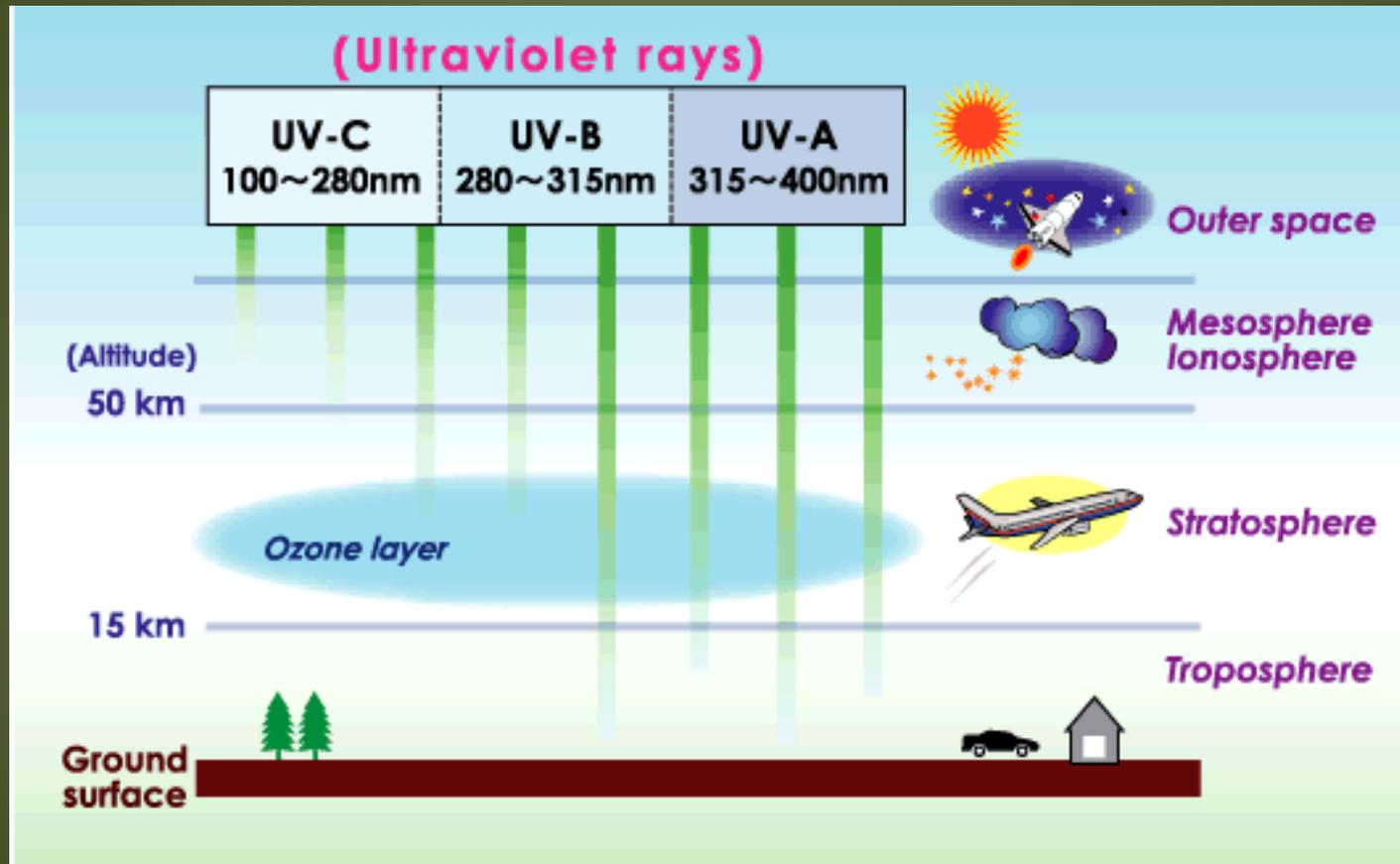
# Indoor Environmental Quality

The use of paint, carpet, sealants, and caulking with low VOC (volatile organic compounds) reduces indoor air pollution.



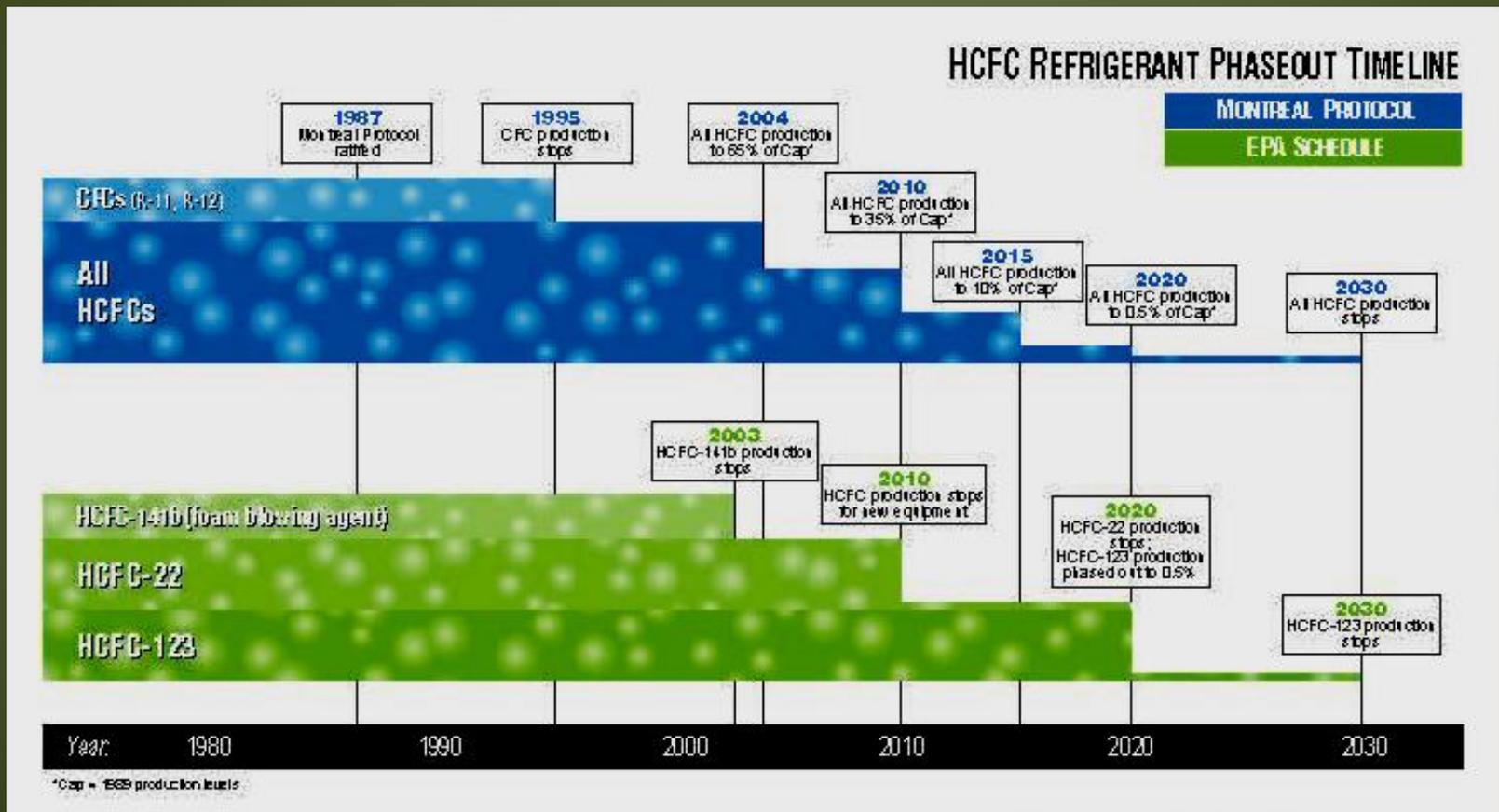
# Indoor Environmental Quality

In the past, refrigerants used in older air-conditioning systems, such as chlorofluorocarbons (CFC's), damaged the ozone layer, increasing the amount of UV light that reached the Earth and trapping heat in the ozone layer.



# Indoor Environmental Quality

The older types of refrigerants have been banned since 1995. New, environmentally friendly refrigerants are an essential green building strategy. The concentration of CFC's is slowly declining.



# Indoor Environmental Quality

The use of carbon dioxide sensors for the outside air intake provides better control for proper ventilation and energy reduction.



# Innovation in Design

Science teachers will include environmental issues in their curriculum.



# Innovation and Design

Students and staff are encouraged to participate in environmental stewardship by their recycling efforts.



# Innovation and Design

A comprehensive approach ensures that LEED certified buildings reduce operating costs, promote healthier and more productive occupants, and conserve natural resources.



# Innovation in Design

High performing schools produce high performing students.

Awareness of these issues will transform schools and campuses by igniting innovation and empowering the next generation of leaders.



# Innovation in Design

The Alachua County School system will use the Westwood Middle School Student Services Building project as a high performance green building standard for all future new construction projects.

