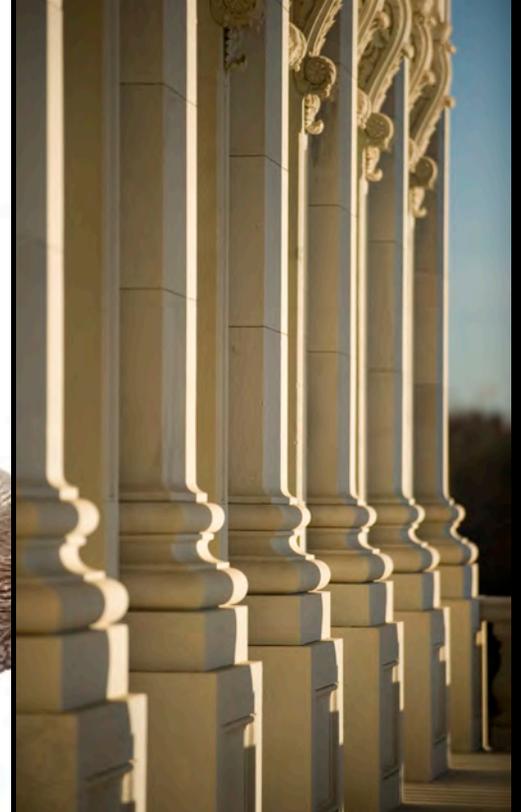
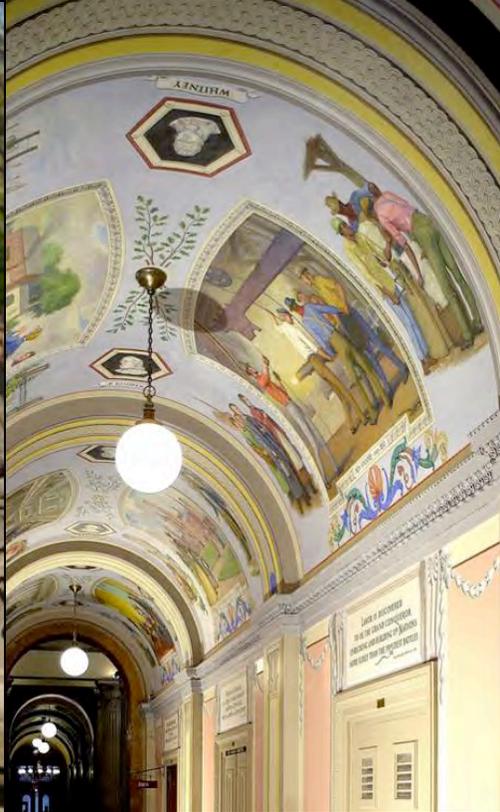
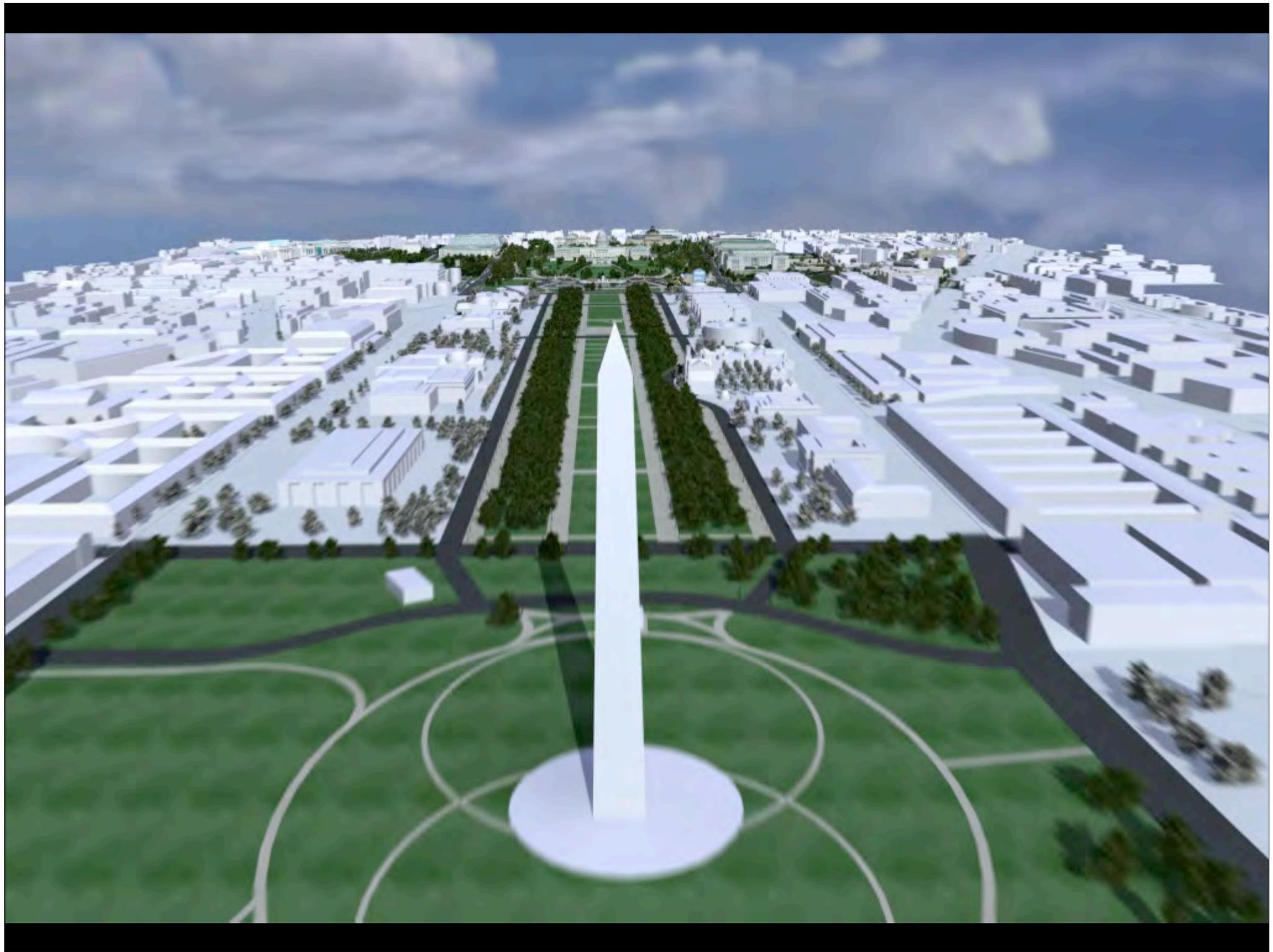


# Preserving the Historic Integrity of the United States Capitol and Building a Legacy for Generations to Come

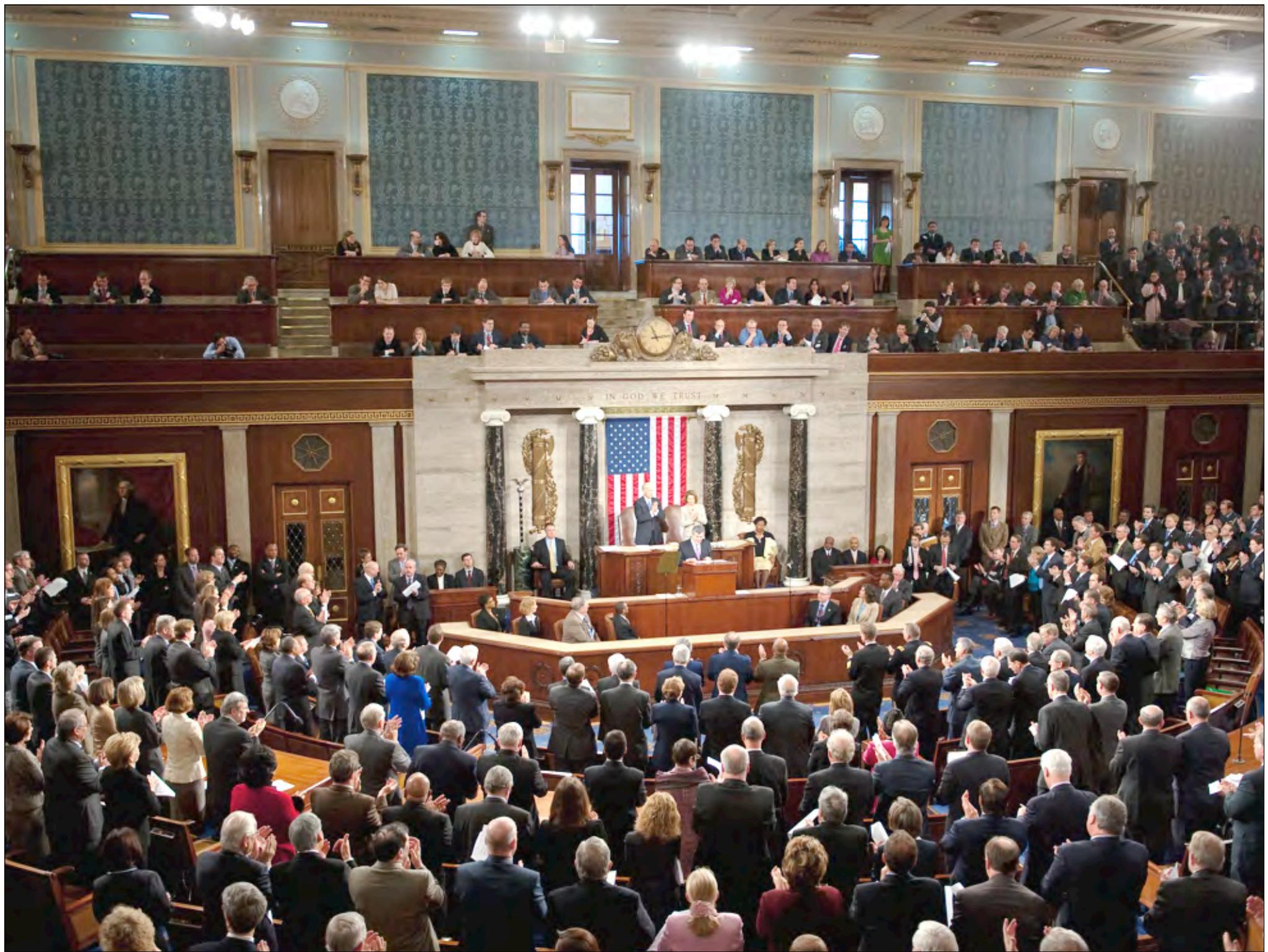


November 2, 2011











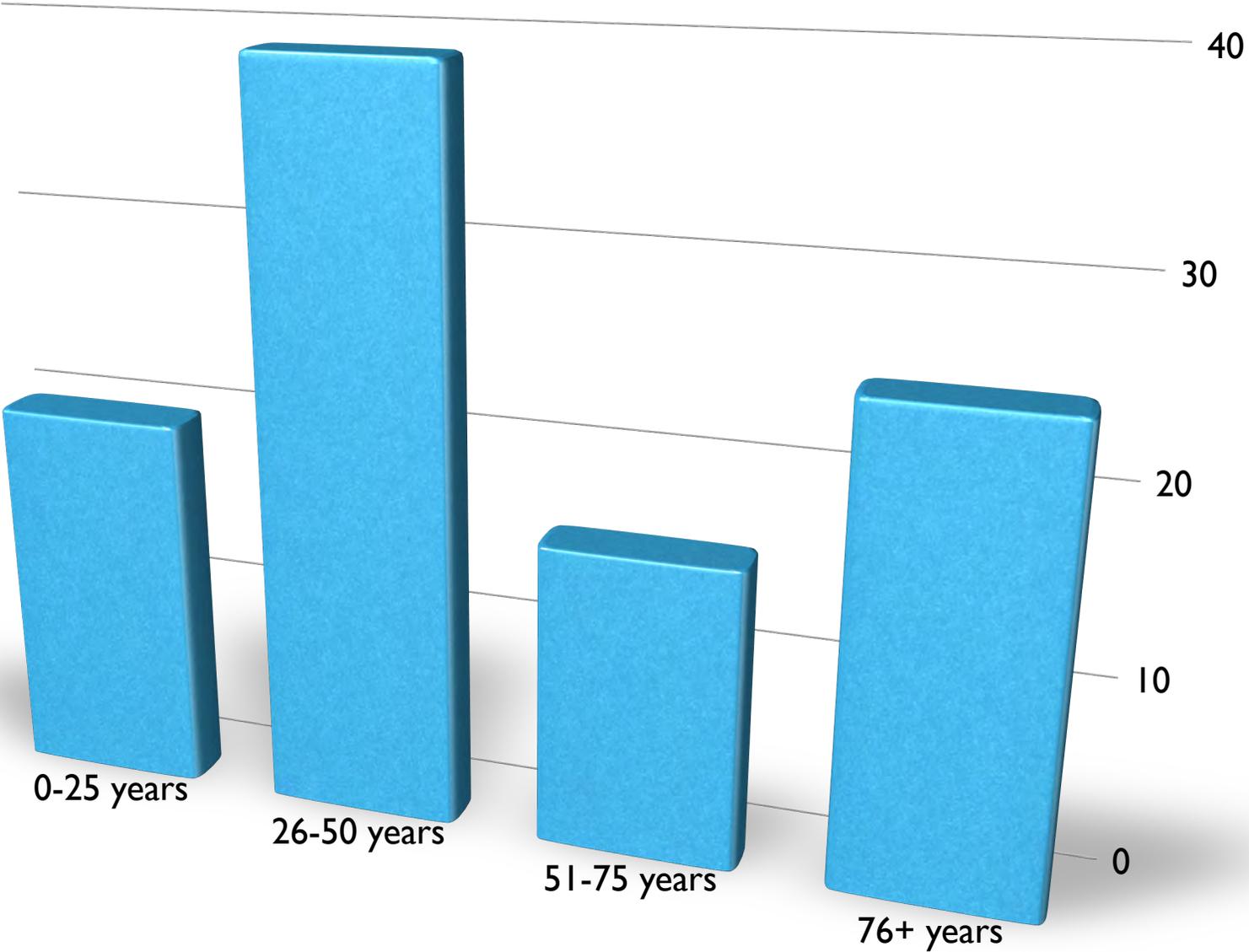


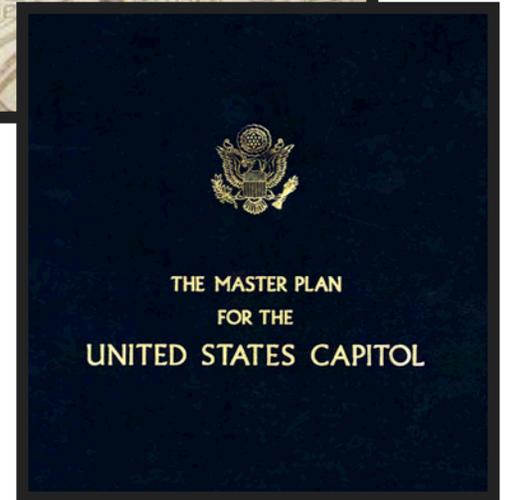
INTERN  
4664  
CL





# Age of Facilities







**Project Classification**

Deferred Maintenance  
Capital Renewal  
Capital improvement  
Capital Construction

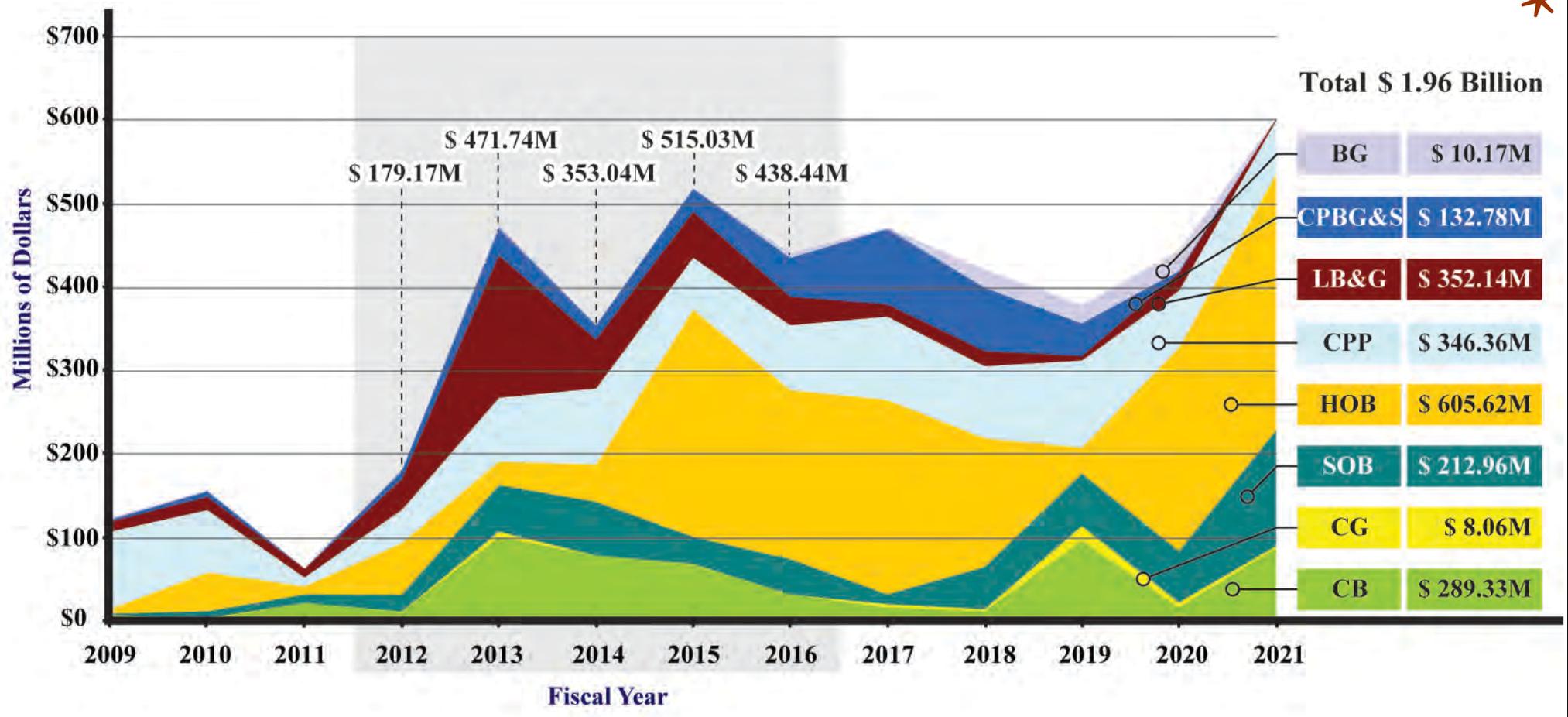
**Project Urgency**

Immediate  
High  
Medium  
Low

**Project Importance**

Preservation of Historic Resources  
Regulatory Compliance  
Mission  
Economics  
Critical Infrastructure Protection  
Energy Efficiency and Environmental Quality

# Need Based Capital Improvements Plan





*Sustainability  
and  
Energy Savings*

# Energy Policy Act of 2005

*Reduce energy use by 2% per year,  
through 2015, for a total of 20%*

---

# Energy Independence and Security Act of 2007

*Increased the energy saving requirements to 3% per year, through 2015, for  
a total of 30%*

**2006**

Reduced energy consumption by **6.5 percent** over FY03 baseline.

**2007**

Reduced energy consumption by **6.7 percent** over FY03 baseline.

**2008**

Reduced energy consumption by **10.7 percent** over FY03 baseline.

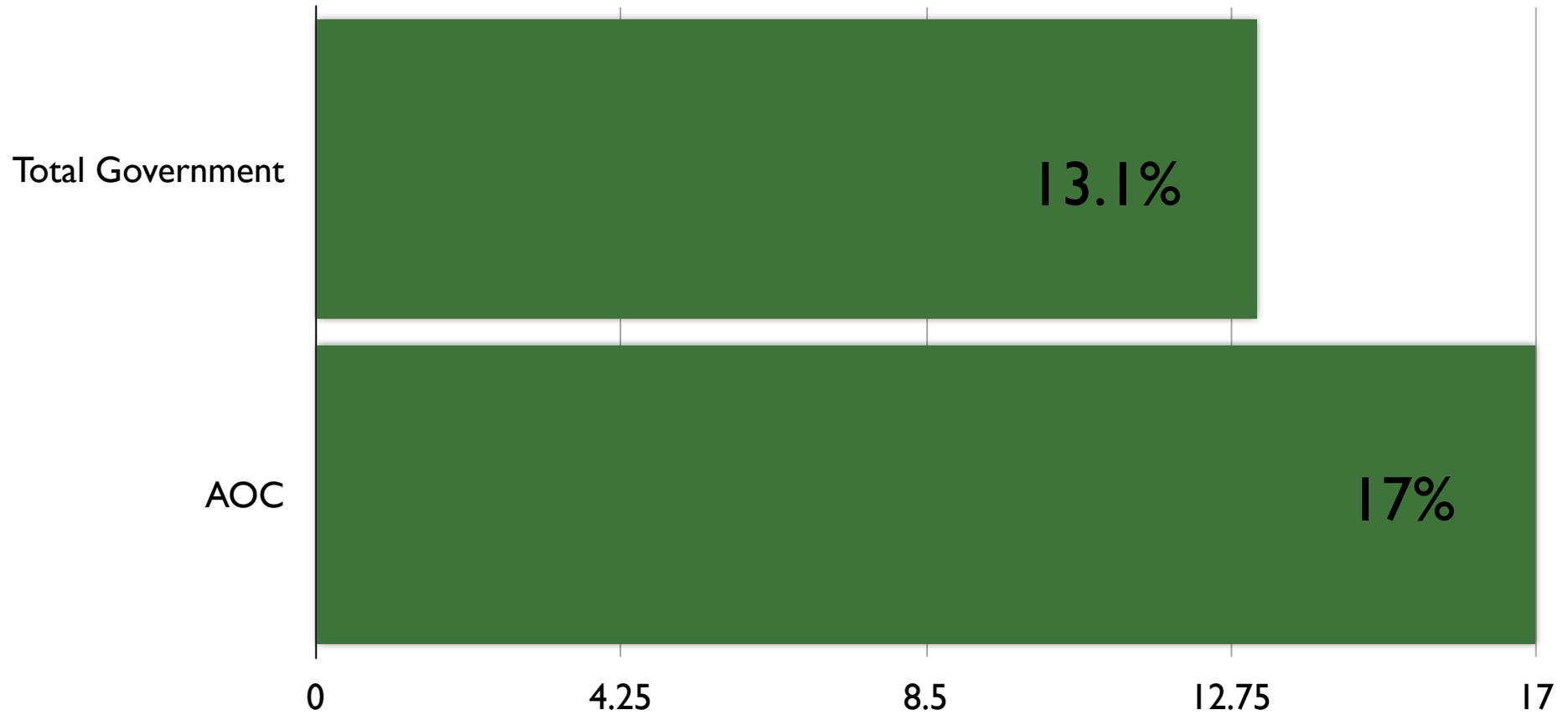
**2009**

Reduced energy consumption by **15.3 percent** over FY03 baseline.

**2010**

Reduced energy consumption by **17 percent** over FY03 baseline.

# Agency Progress Toward Energy Reduction Goal



FY 2009 Btu/Square Foot Reduction from FY 2003



DigitalFlow™ DF868  
Panometrics Ultrasonic  
Liquid Flowmeter

DigitalFlow™ GS868  
Panometrics Ultrasonic  
Steam Flow Flowmeter

DigitalFlow™ DF868

ROSEMOUNT Analytical® 1056

1481  $\mu\text{S}/\text{cm}$   
137.0 °F

01: 59.2%	01: 13.42mA
02: 58.3%	02: 13.33mA

MENU  
DIAG  
ENTER  
EXIT

# THE ARCHITECT OF THE CAPITOL



67.3° F Scattered Clouds

Winds: 5.0 mph WSW

11:24 AM

## House Jurisdiction

Total House Jurisdiction Buildings

Cannon House Office Building

Ford House Office Building

House Page Residence Hall

Longworth House Office Building

Rayburn House Office Building

Map

Savings

Total Energy

Comparison

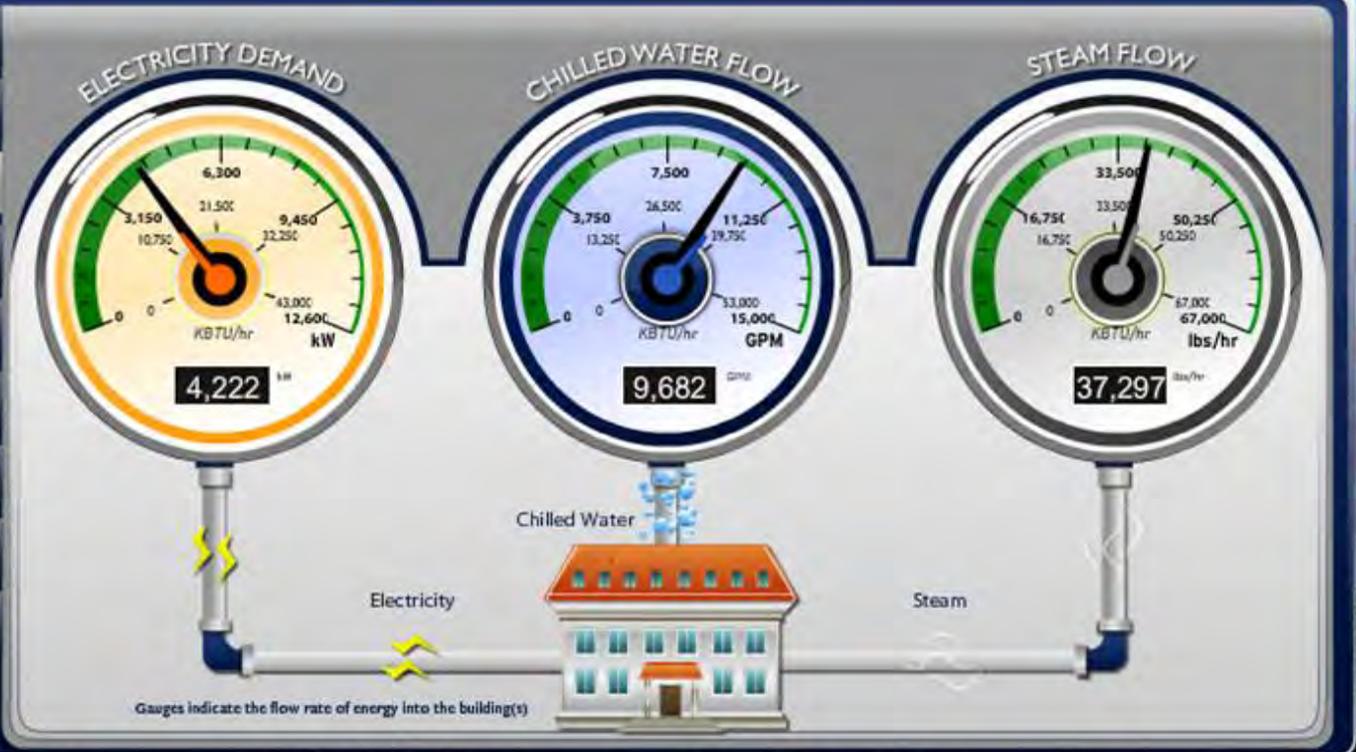
Electricity

Chilled Water

Steam

Domestic Water

Carbon Footprint



Gauges indicate the flow rate of energy into the building(s)



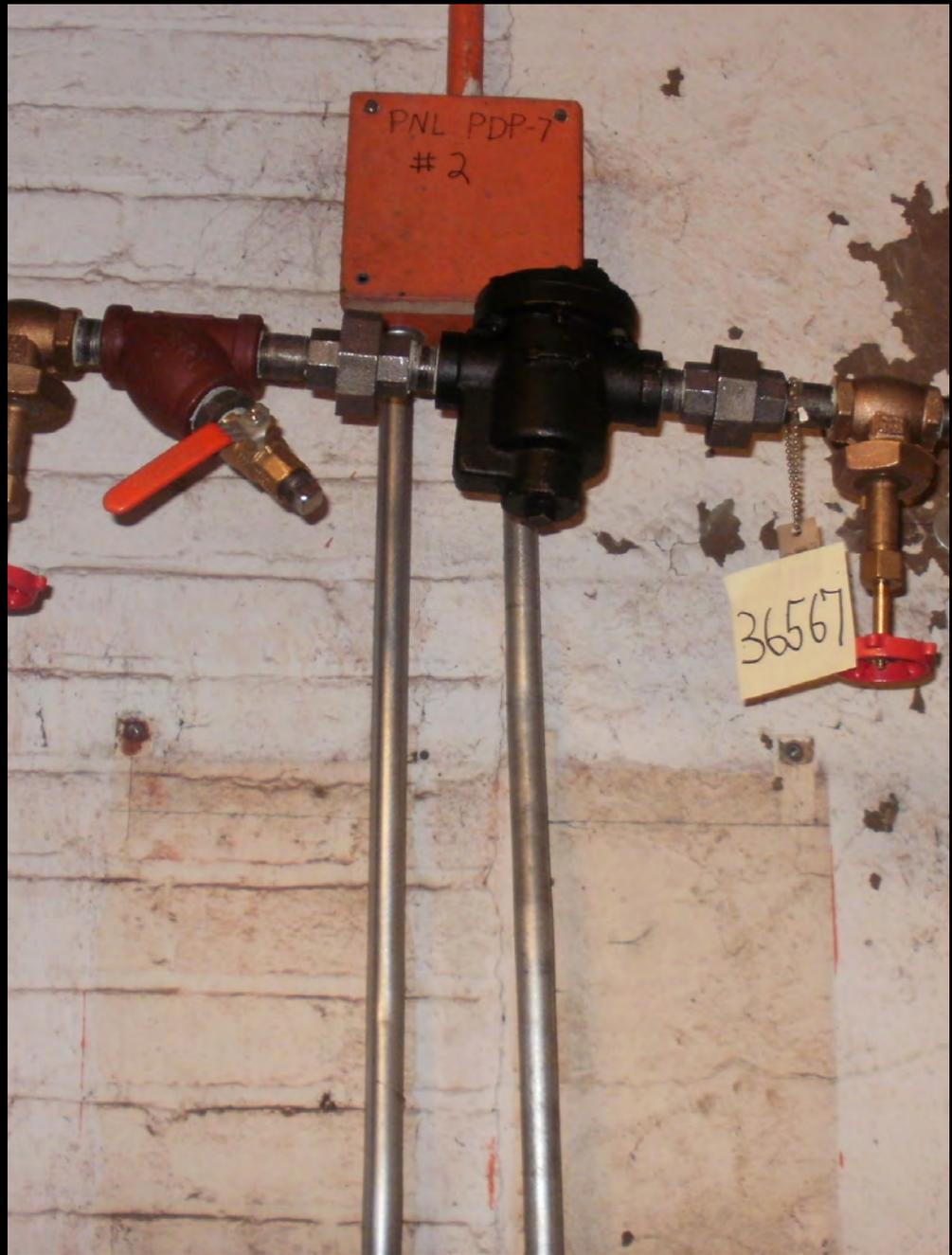
Explore





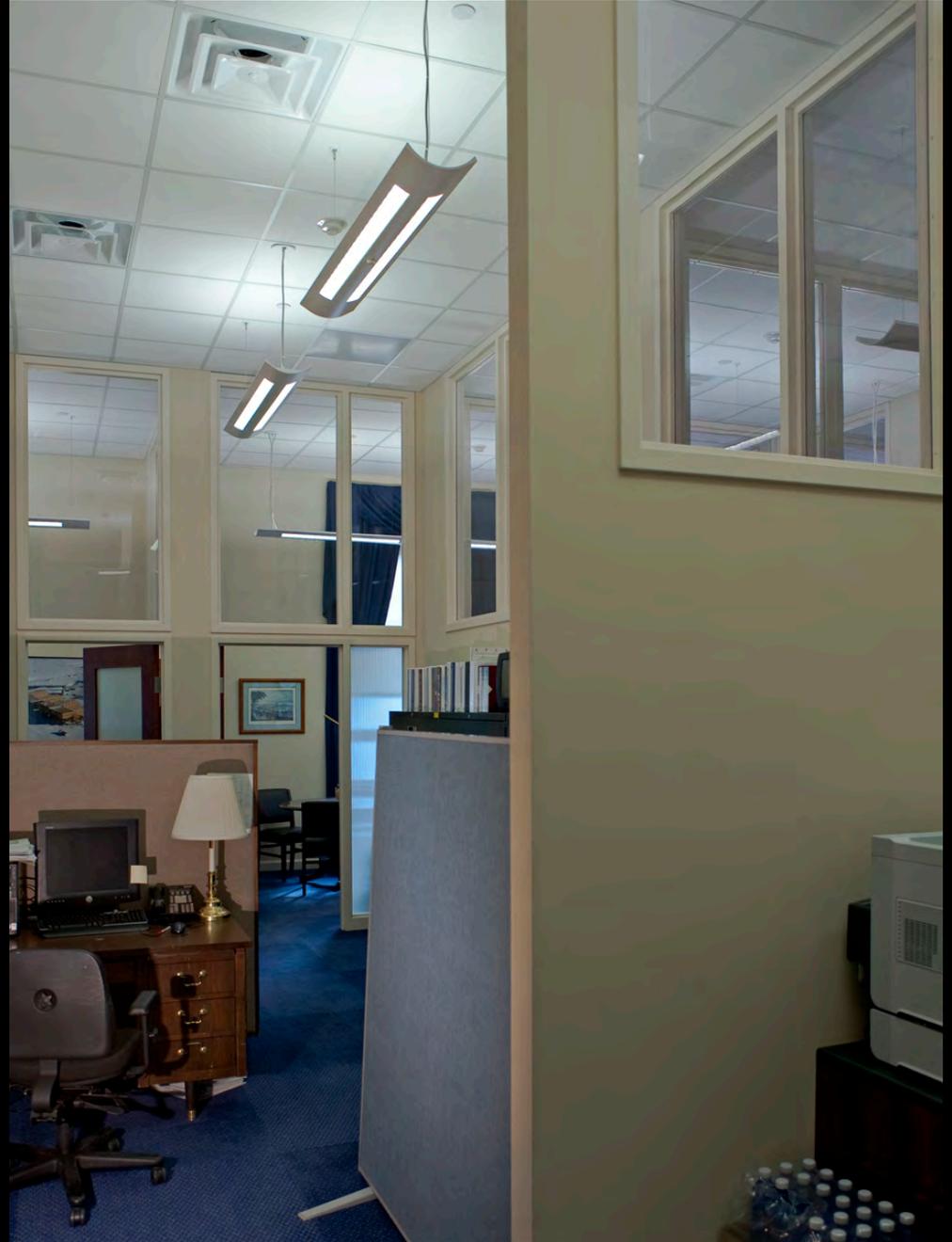






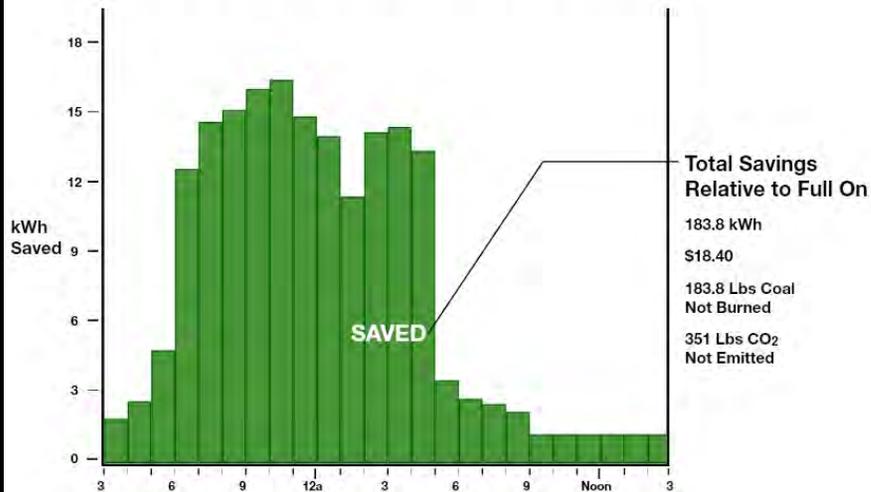






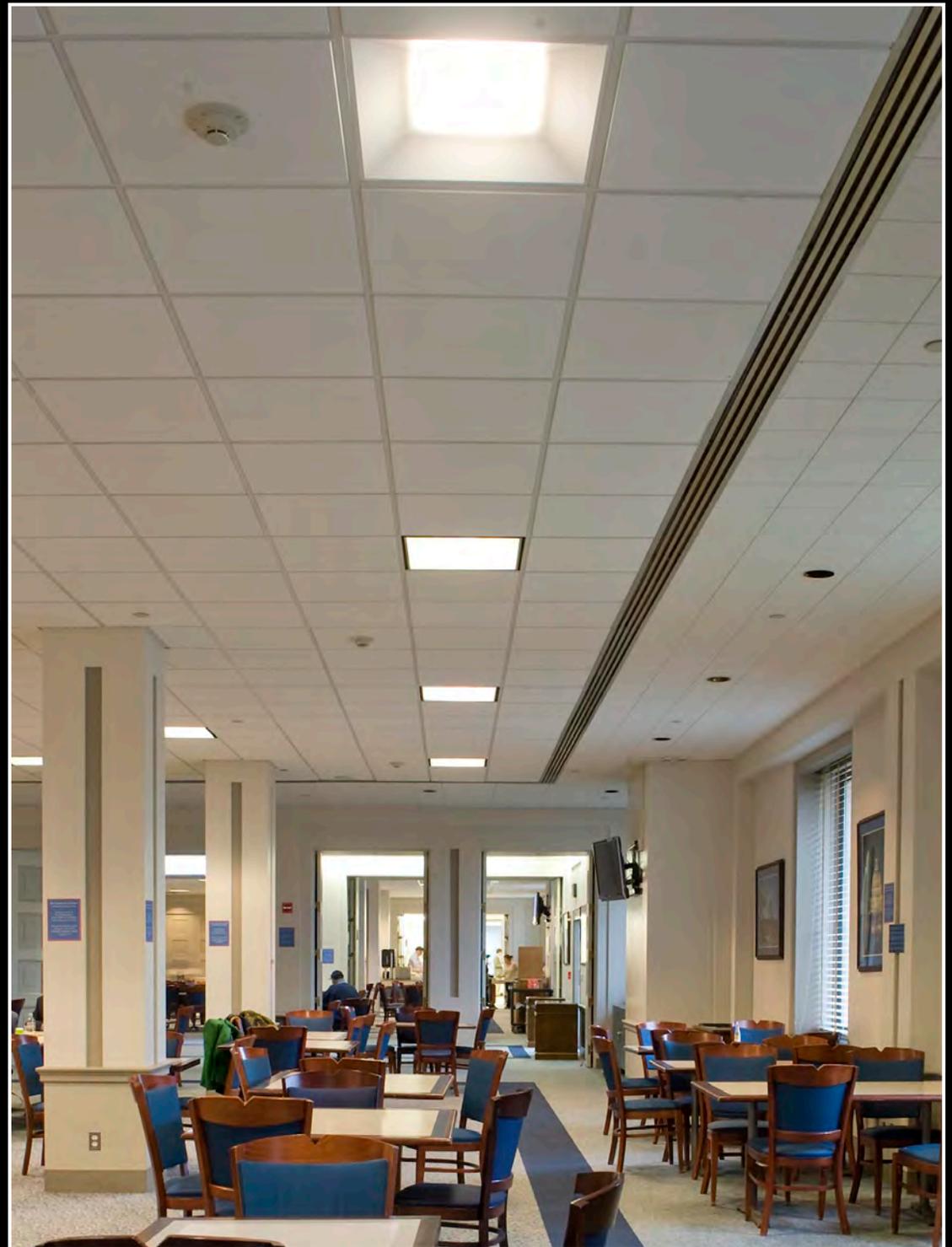
## Rayburn House Rayburn House ▼

### Lighting Energy Saved Over Last 24 Hours



## Rayburn House Rayburn House ▼

### Lighting Energy Saved Over Last 30 Days



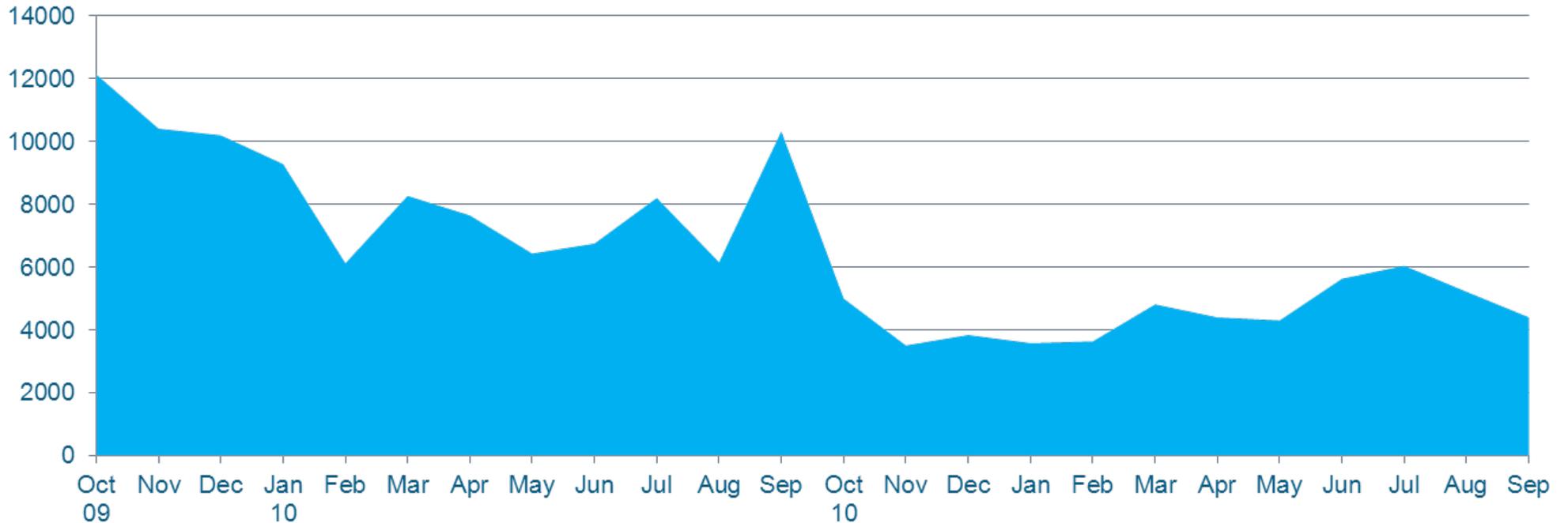


# Water Usage

FY 11: 54,423,000 gal

FY 10: 101,957,000 gal

FY 09: 132,000,000 gal





**E85**  
**85% Ethanol**  
[www.E85Fuel.com](http://www.E85Fuel.com)

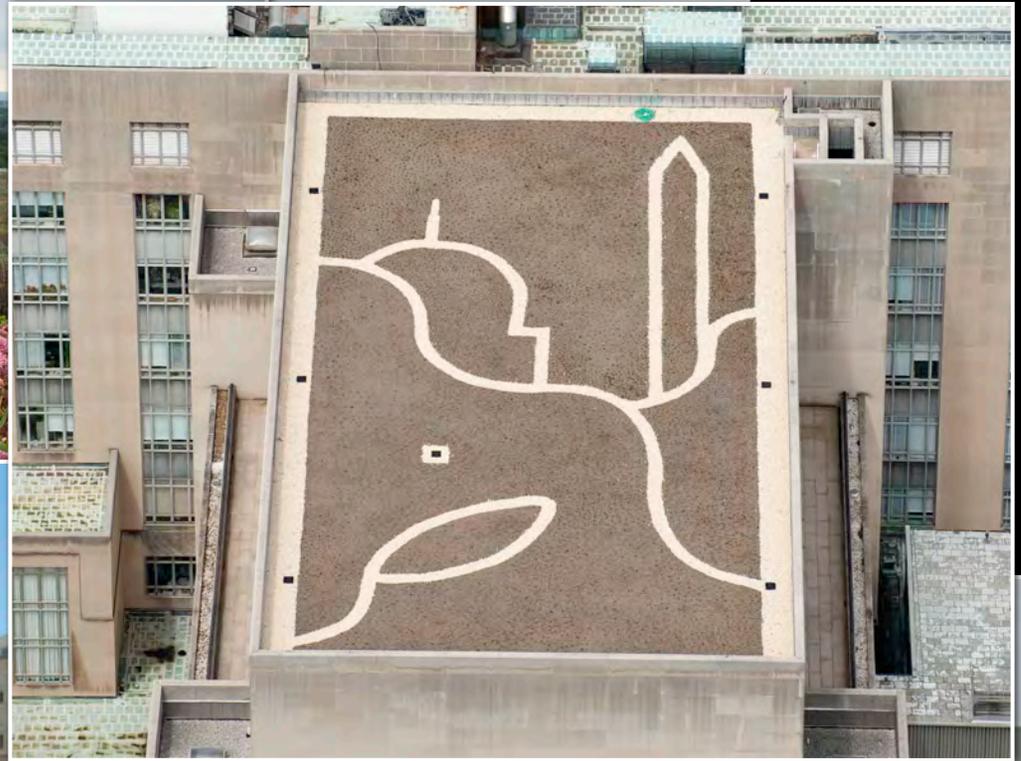
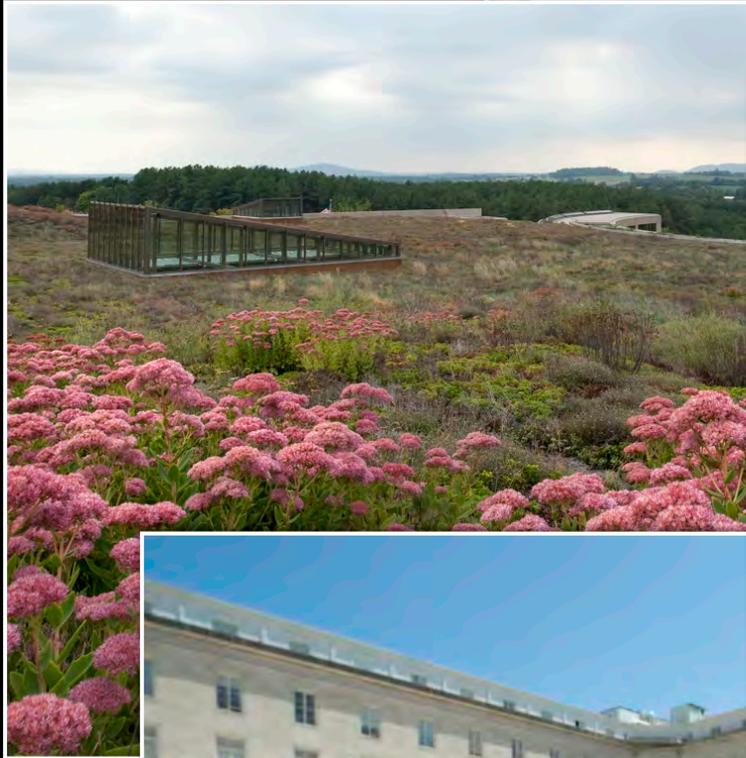


THE ARCHITECT O  
179

**RECYCLE** Bottles  
& Cans



**REC**





UNITED STATES BOTANIC GARDEN  
CONSERVATORY

# THE SUSTAINABLE SITES INITIATIVE™



**AMERICAN SOCIETY OF  
LANDSCAPE ARCHITECTS**  
*ASLA Library & Education  
Advocacy Fund*



**UNITED STATES  
BOTANIC GARDEN**



## THE SUSTAINABLE SITES INITIATIVE



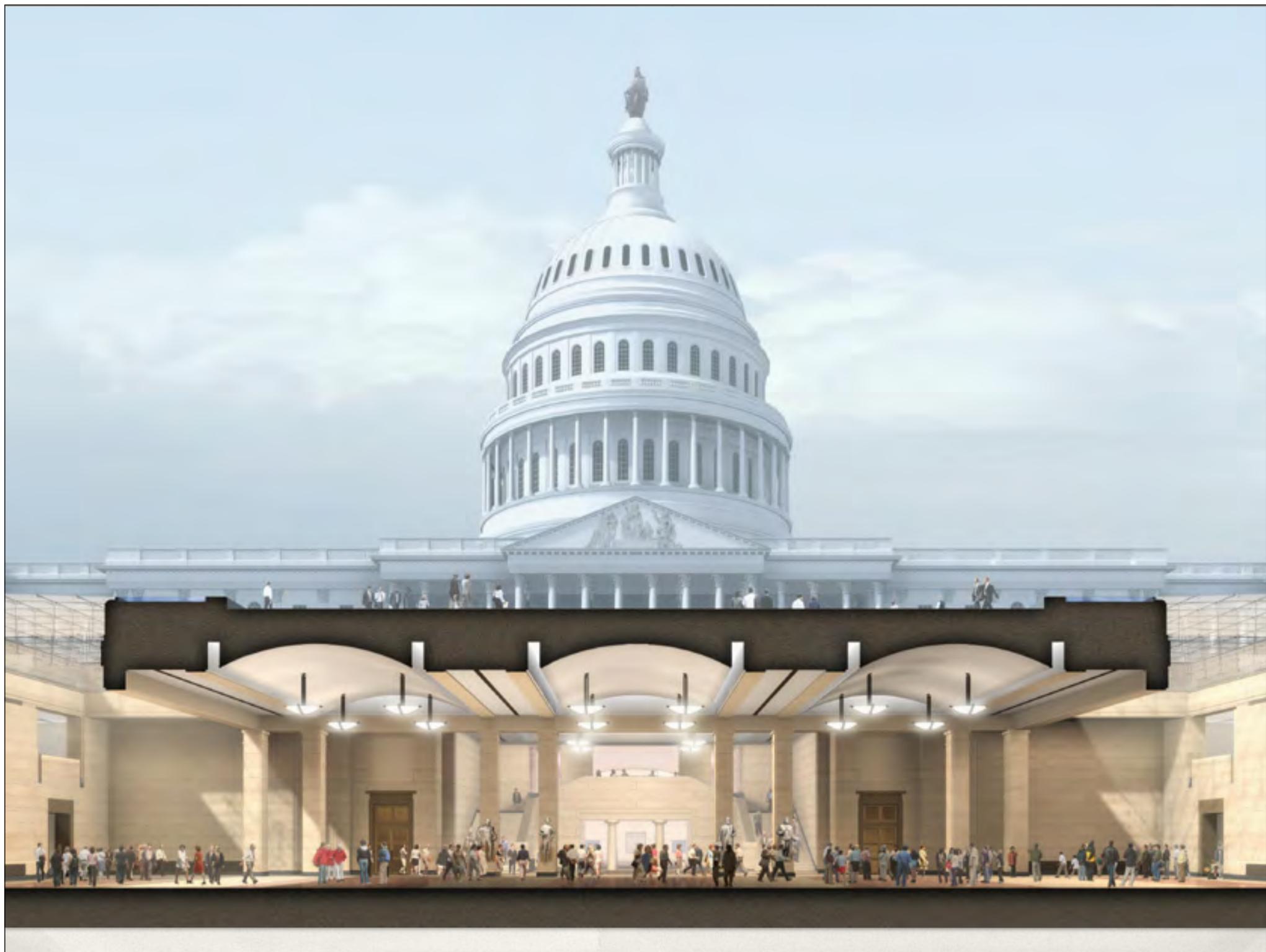
## THE CASE FOR SUSTAINABLE LANDSCAPES

American Society of Landscape Architects

Lady Bird Johnson Wildflower Center  
at The University of Texas at Austin

United States Botanic Garden









*Projects*



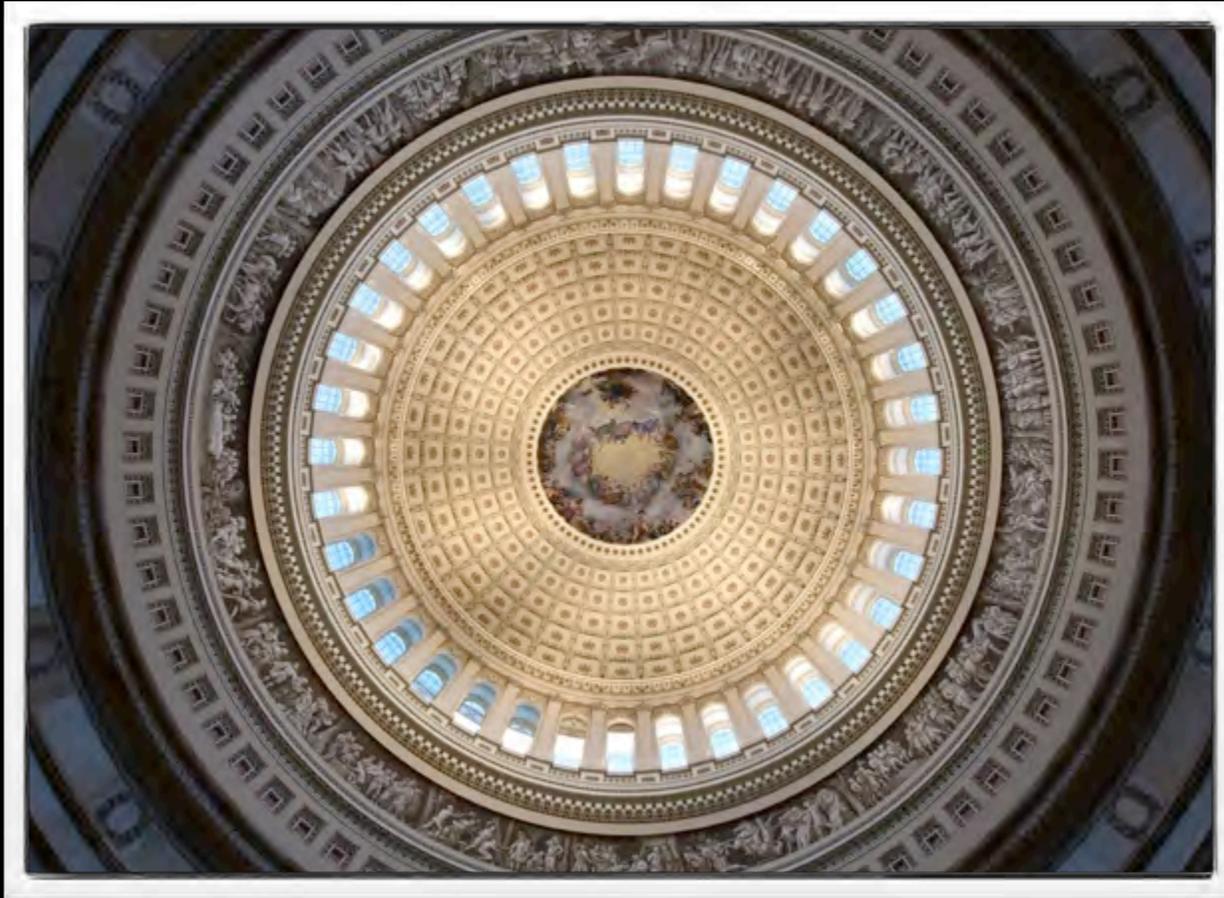




ARCHITECT  
OF THE CAPITOL



ARCHITECT  
OF THE CAPITOL



For more information visit:

[www.aoc.gov](http://www.aoc.gov)

[www.youtube.com/aocgov](http://www.youtube.com/aocgov)