

ERIC COREY FREED

Architect

Principal, organic **architect**

LEED Accredited Professional

"Green Building & Remodeling for Dummies"

Best Green Architect  
San Francisco Magazine 2005

Best Visionary  
San Francisco Magazine 2007

Professor, Sustainable Design  
Academy of Art University  
University of California Berkeley



WHERE IS  
**GREEN**  
GOING  
AND WILL YOU BE  
**THERE**



**YOUR VISION  
OF GREEN**



**TIME TO DO  
SOMETHING**

**“SENTIMENT**  
without  
**action**  
is the ruin of the  
**SOUL...”**

-Edward Abbey

www.time.com AOL Keyword: TIME

**SPECIAL REPORT**  
**TIME**

**W**  
**SAVE**  
**TH**

The hot and wild weather is a sign of things to come. But fresh ideas and new technology can cool us down and make this a **GREEN CENTURY**

APRIL 9, 2001 \$3.50 www.time.com AOL Keyword: TIME

**VANITY FAIR**

**SPECIAL [GREEN ISSUE]**

**A THREAT GRAVER THAN TERRORISM: GLOBAL WARMING**  
How much of New York, Washington, and other American cities will be underwater?

**GEORGE CLOONEY, JULIA ROBERTS, ROBERT F. KENNEDY JR., AND AL GORE and the call for A NEW AMERICAN REVOLUTION**

**PLUS EXCLUSIVE BOOK EXCERPT! THE BOSTON STRANGLER**  
MY MOTHER'S BRUSH WITH DEATH BY SEBASTIAN JUNGER

Dr. Bush's Rx for Health Care

**TIME**

**VANISHING OZONE**

THE DANGER MOVES CLOSER TO

www.time.com AOL Keyword: TIME

**SPECIAL REPORT GLOBAL WARMING**  
**TIME**

**WARRIED. WARRIED.**

isn't some vague—it's already  
Planet at an alarming  
w it affects you, your  
kids as well

**TIPPING POINT**  
**ITENS YOUR HEALTH**  
**INDIA CAN HELP**  
**ORLD—OR DESTROY IT**  
**CRUSADERS**

AGUSTE 1998 \$2.00

**TIME**

**Our Filthy Seas**

MY SUPER SWEET 16 • THE BIGGEST LOSER • HEROES

# MAD<sup>IND</sup>

We Salute  
**GLOBAL WARMING!**



UNITED STATES

madmag.com



#477 MAY 2007 \$3.99 CHEAP!

**PLUS WE  
PUT THE HEAT ON:  
LOVABLE STALKERS  
DOUBLE-TALKING TEACHERS  
ANNOYING AIRPORT SECURITY**

WATER

ENERGY

MATERIALS

I A Q

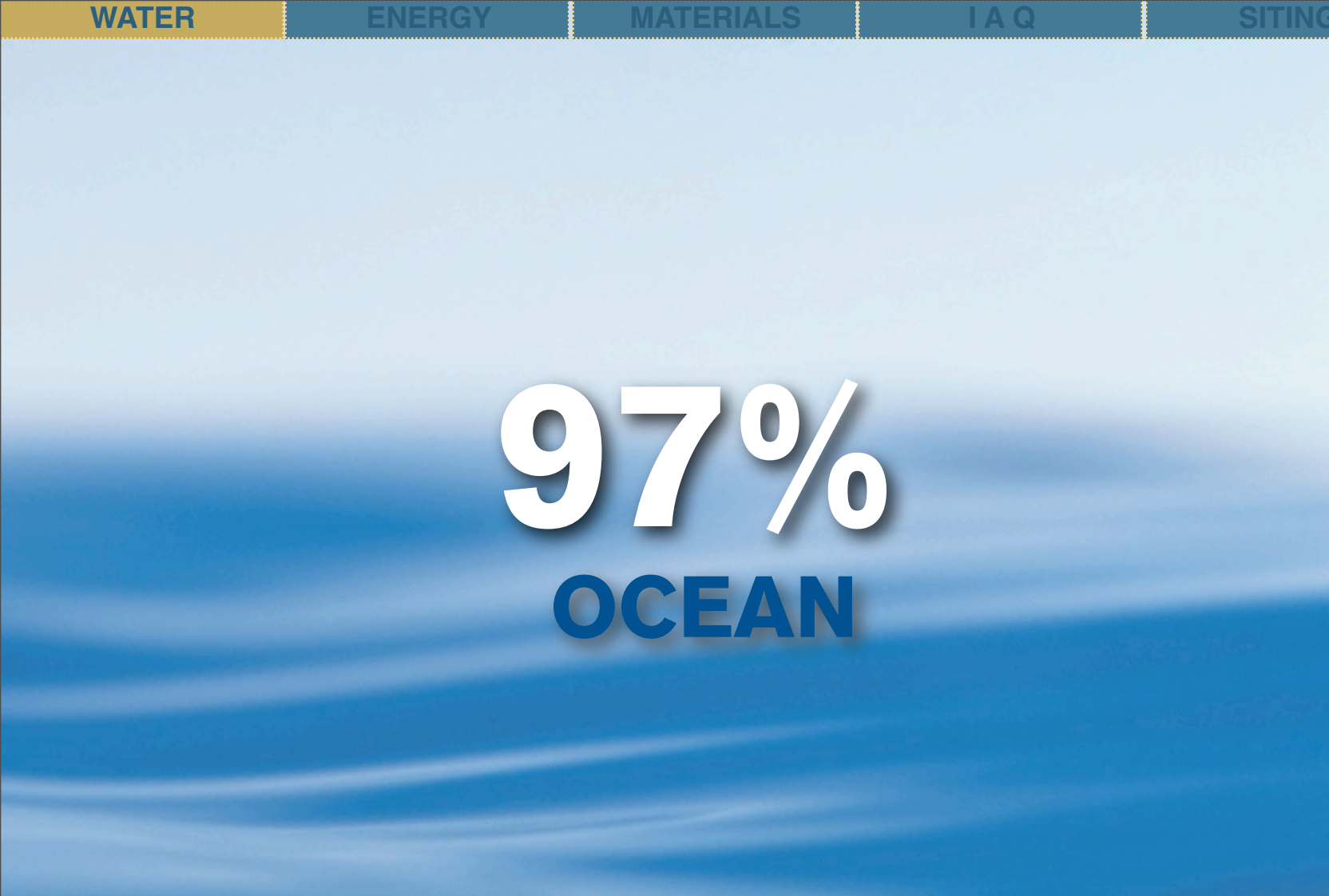
SITING

COMMUNITY



PROBLEMS

SOLUTIONS



**97%**  
**OCEAN**



**2%**  
**FROZEN**

**only 1% usable**

# HOUSEHOLD WATER USE



**293** gallons  
per day  
**AMERICAN**



**5** gallons  
per day  
**AFRICAN**



495,000

gal/person/yr



193,000

gal/person/yr



153,000

gal/person/yr



GALLO

a leaky faucet losing  
**one drop**  
a second

loses



of water  
a month



**BOTTLED WATER**

**6,900,000,000** gal/yr



=



**1,500,000** barrels  
**100,000** cars

# 65000

cubic meters

**WATER** used by

# 60,000

**THAI VILLAGERS** per day

**WATER** used by

# 1

**THAI GOLF COURSE** per day

# LAWN CARE

**54,000,000** americans

**20,000,000** acres

**5%** CO<sub>2</sub>

**100** miles driving



**30-60%**

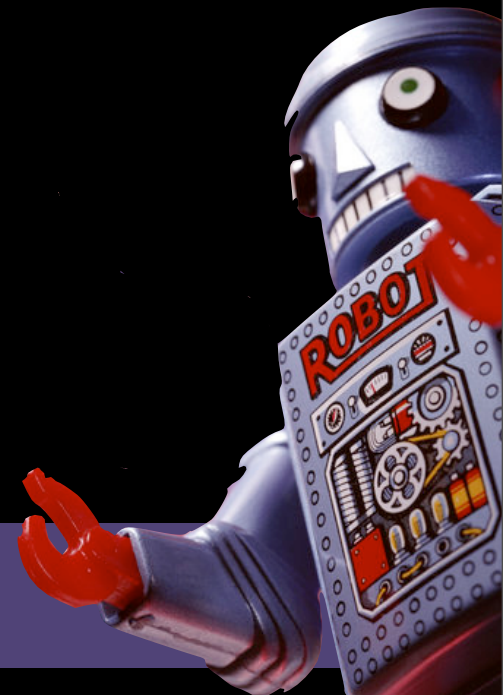
# LAWNS: SPILT MILK

# 17,000,000

gallons/gas



24 March 1989



*bleak future:* WATER





[geberit.us](http://geberit.us)



[envirolet.com](http://envirolet.com)



[watersavertech.com](http://watersavertech.com)

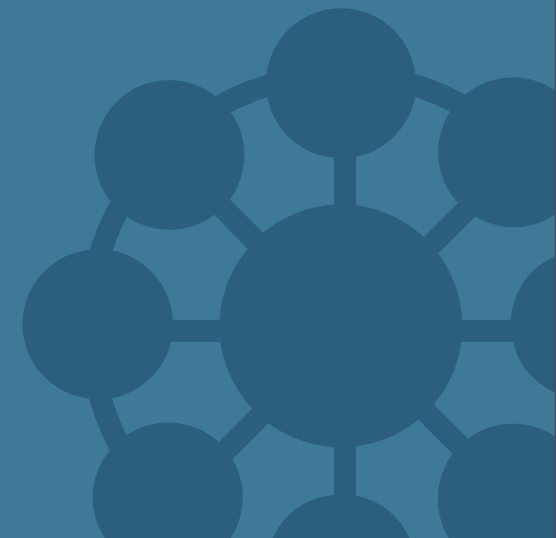
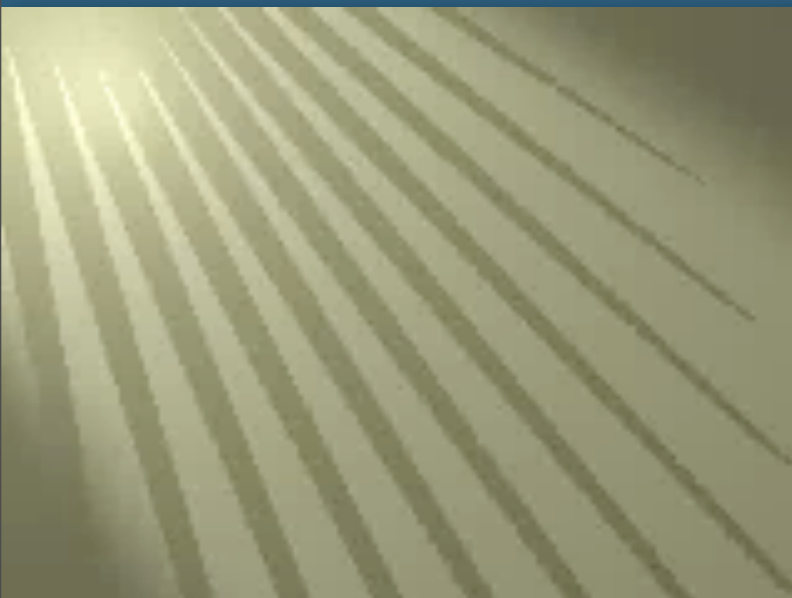


- **Union Issues**
- **3 year ROI**
- **Same price**

[falconwaterfree.com](http://falconwaterfree.com)

## WATERLESS URINALS:

$$\begin{aligned} & 1.0 \text{ gal/flush} \times \underline{32} \text{ flushes/day} \\ & \quad \times 365 \text{ days/year} \\ & = \underline{11,680} \text{ gallons saved} \\ & \times \$ \underline{.0021} \text{ /gallon} = \$ \underline{24.52} \end{aligned}$$



\$ **12-24** sq ft  
green roof

\$ **8** sq ft  
green grid



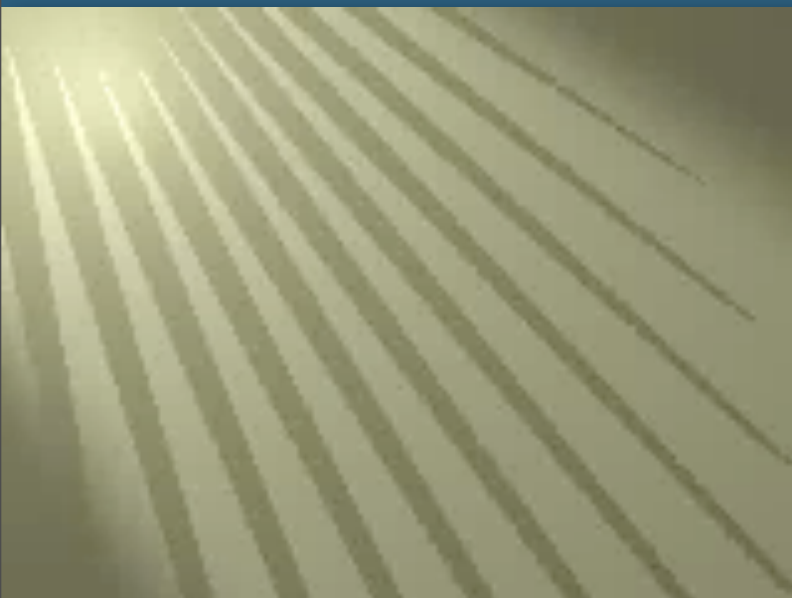


## WATER CATCHMENT:

$$1000_{sf} = 632 \text{ gal/in}$$

$$= \underline{21} \text{ inches per year}$$

$$\times \underline{632} \text{ gallons} = \underline{13,000} \text{ gallons/year}$$



## Waterless Urinals

saves the cost of

**pipes, drains,  
vents & valves**

## Green Roof

saves the cost of

**insulation &  
wastewater treatment**

## Porous Paving

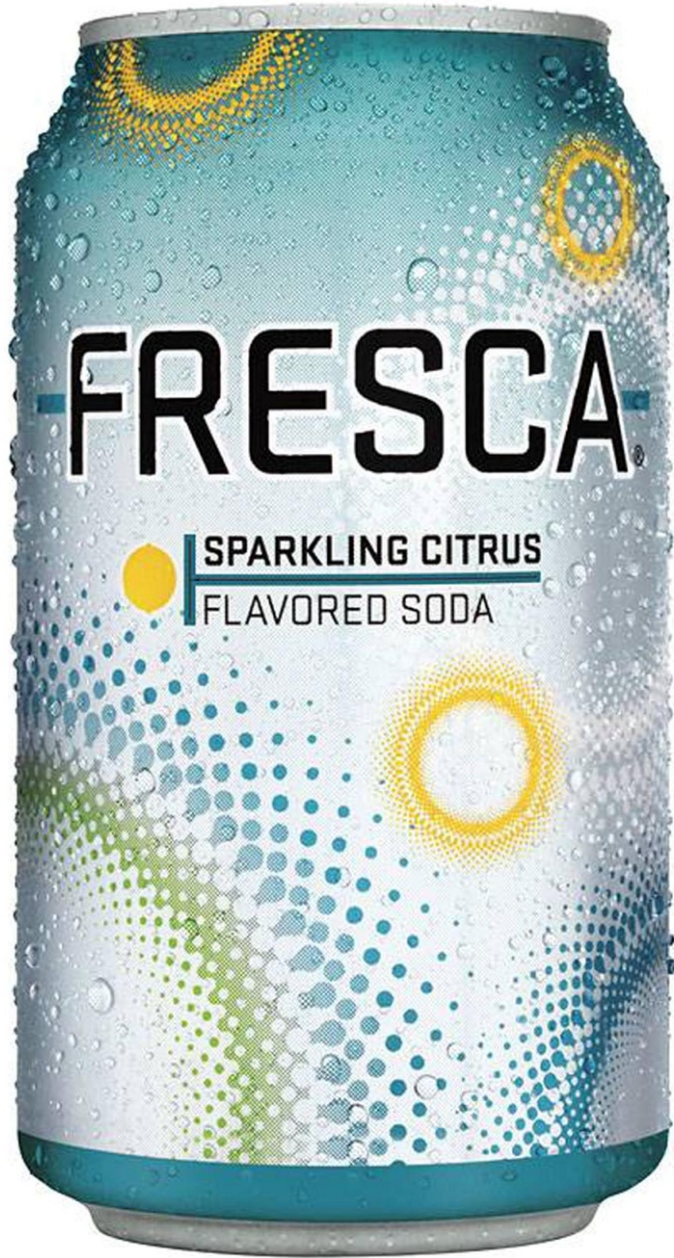
saves the cost of

**retention ponds &  
treatment facilities**

# SAVINGS

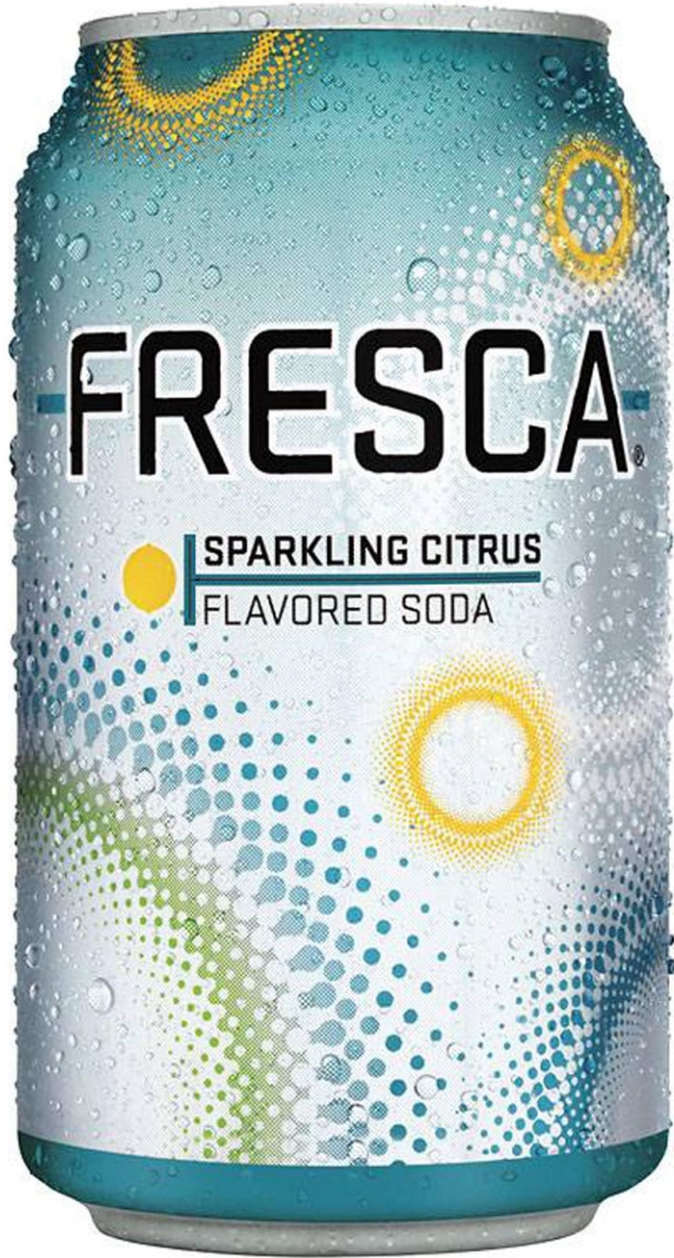


*bright future:* WATER



=





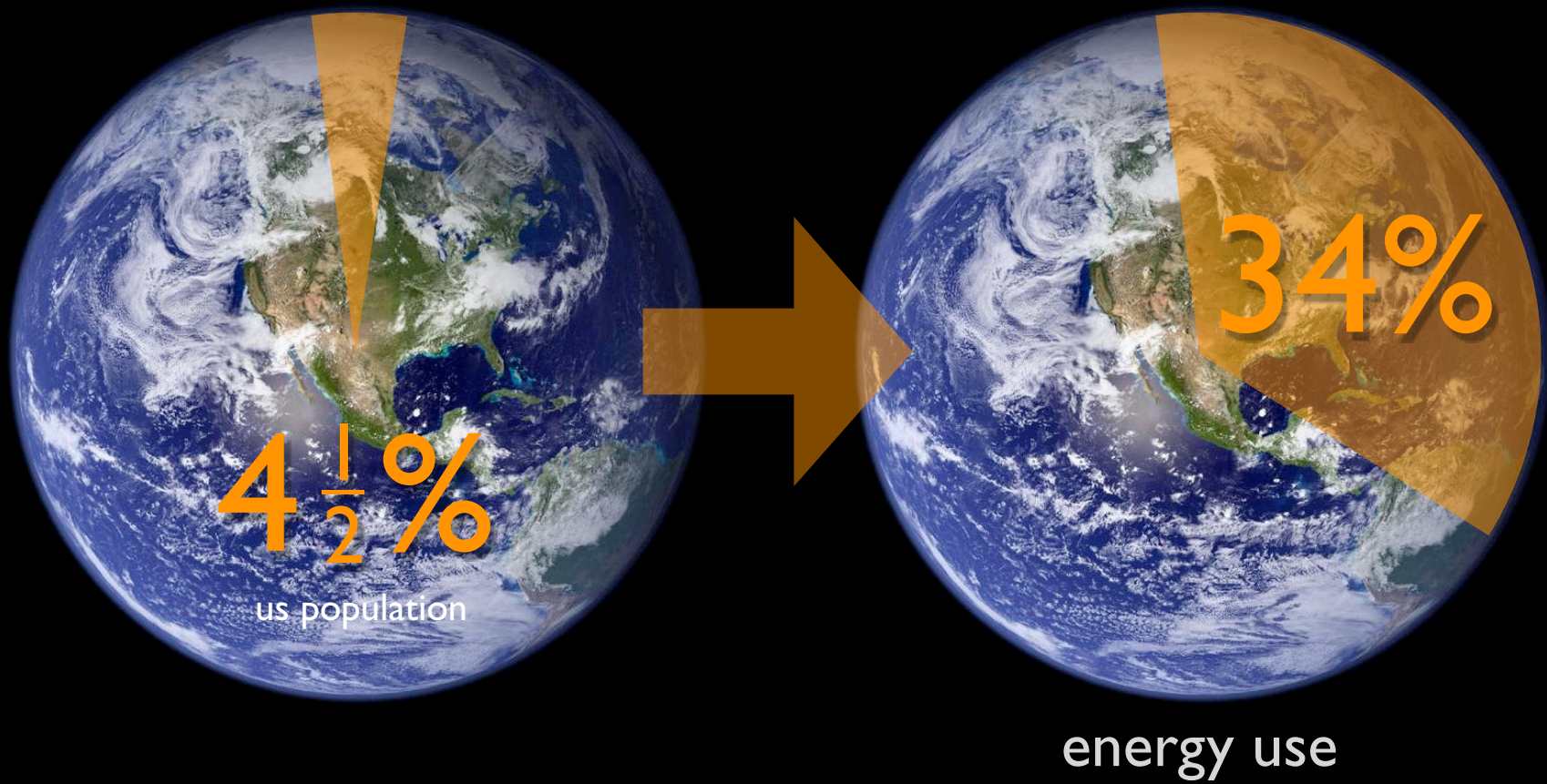
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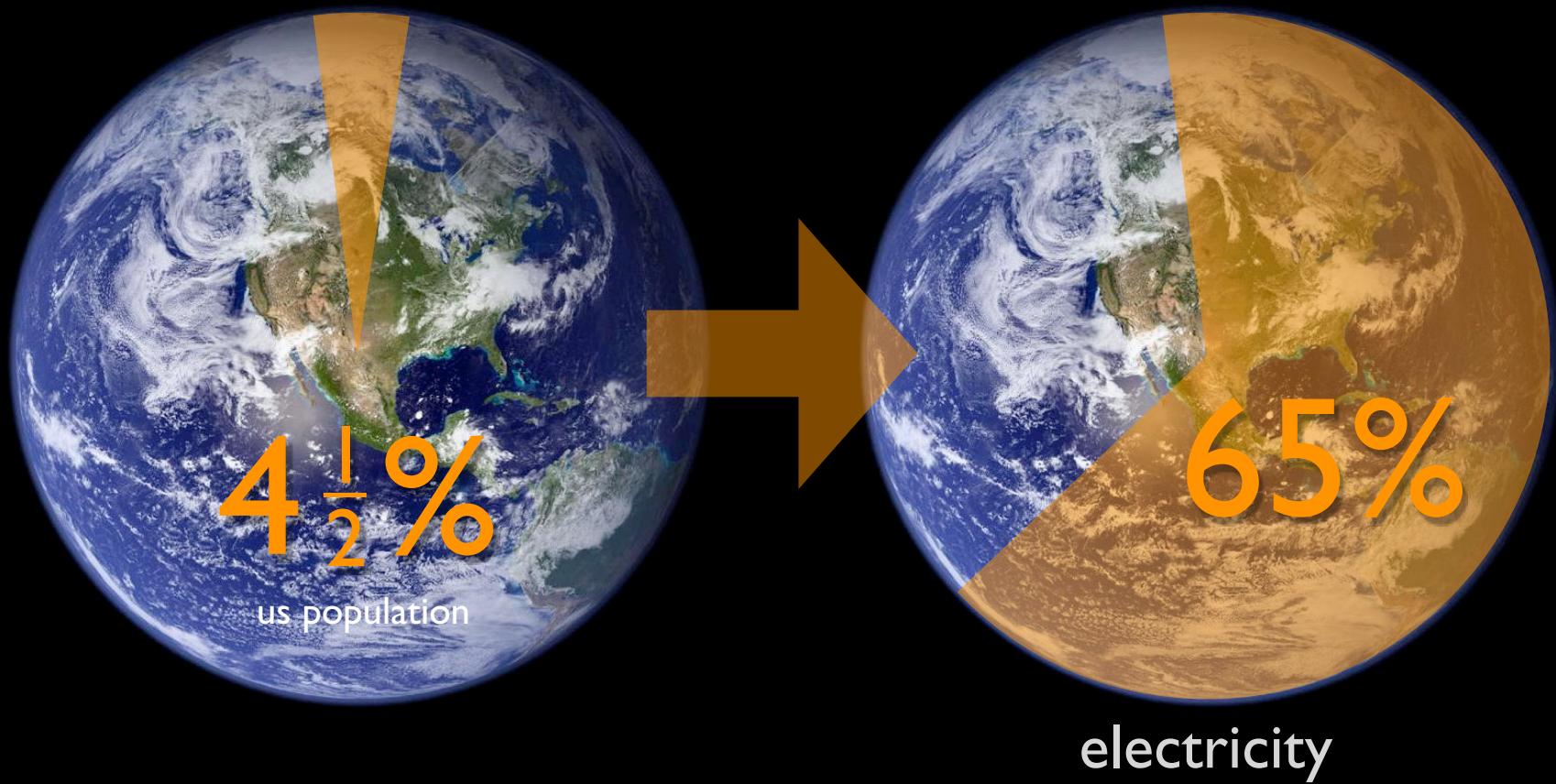


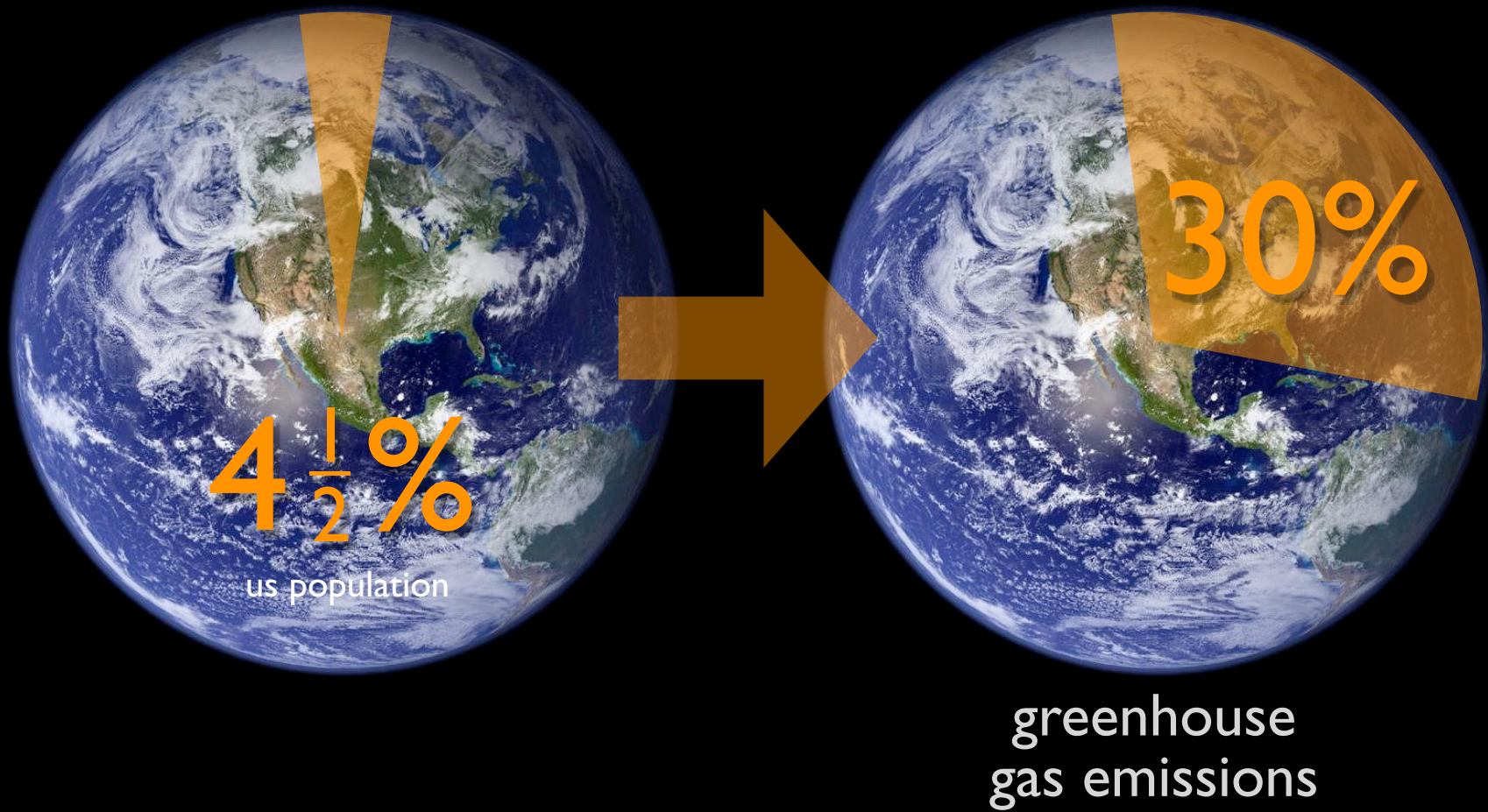


S. GROSS









# UN-INSULATED HOMES

**2,000,000** barrels per day  
**wasted**



# OIL IMPORTS



**2,181,000** barrels per day

~~**1,537,000**~~ barrels per day

**2,000,000**  
wasted in un-insulated homes

# COST OF WAR

**\$11,000,000** per hour



# COOL ROOF SAVINGS

70°  
40° C  
cooler



**40%**  
**energy savings**

# COOL ROOF SAVINGS

**\$4,000,000,000**

by 2015

**\$35M**

● **LAX**

● **PHX**

**\$37M**

**\$10M**

● **CHI**

● **NYC**

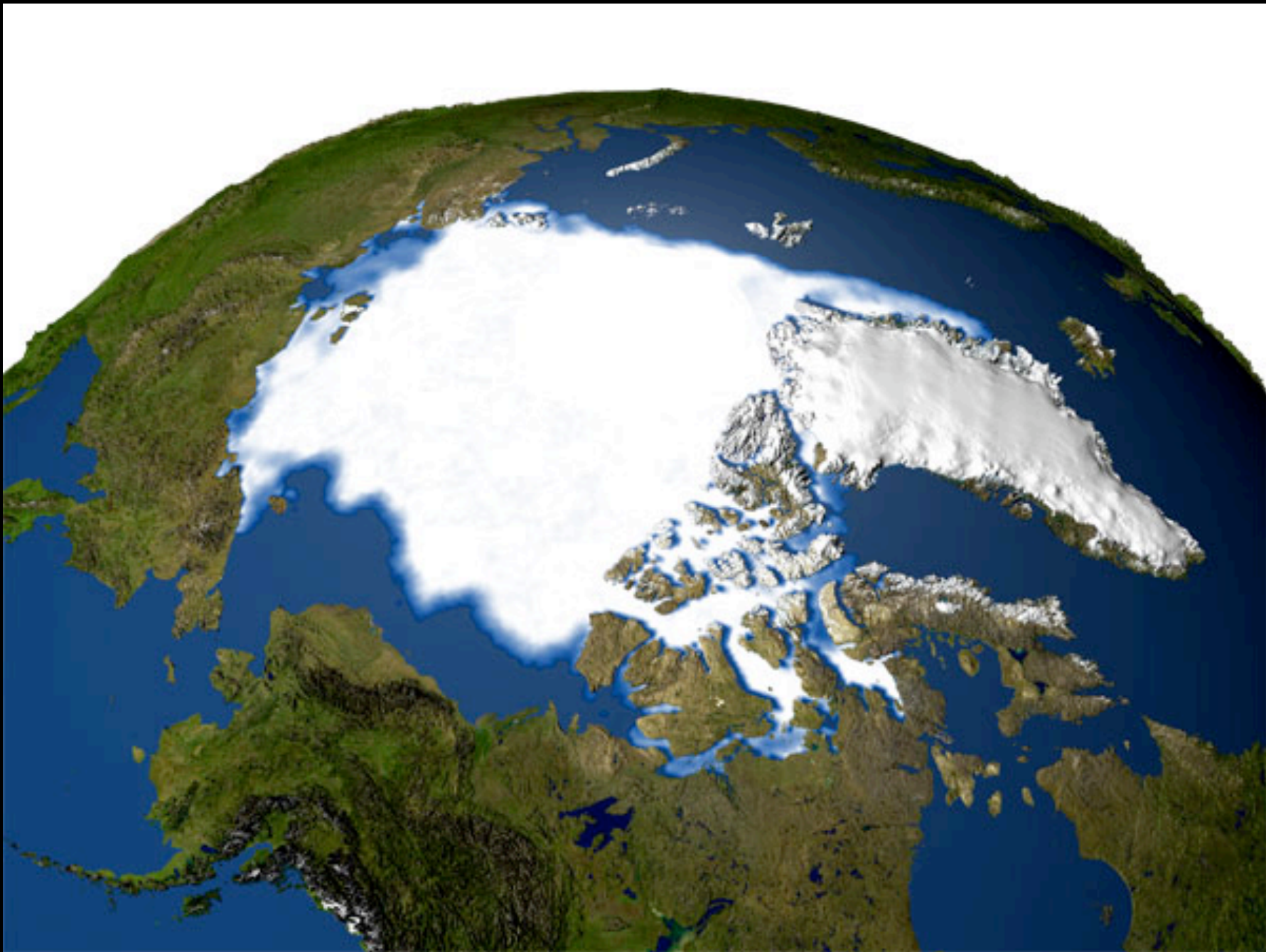
**\$16M**

● **DFW**

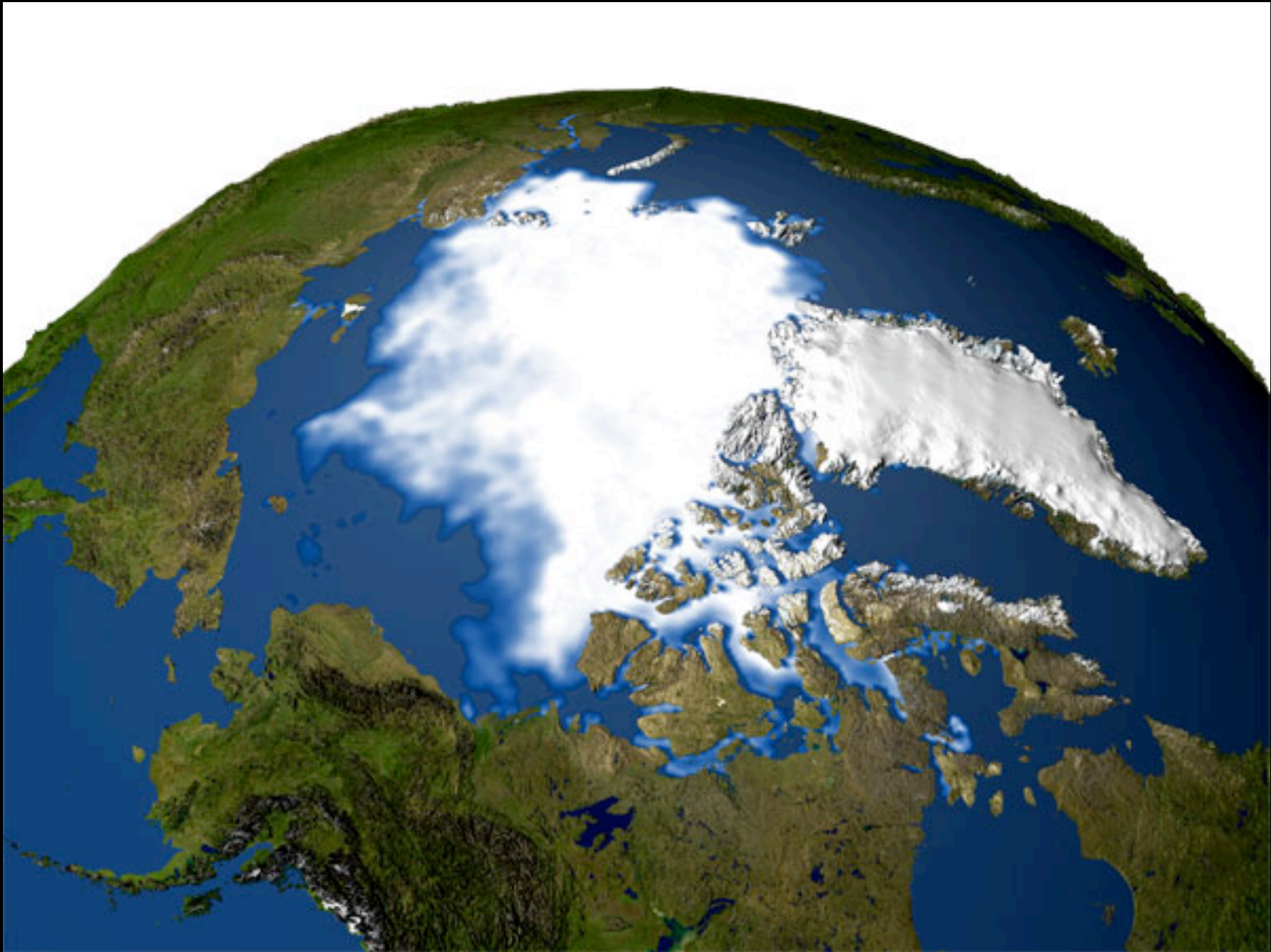
**\$20M**

**\$20M**

● **MIA**

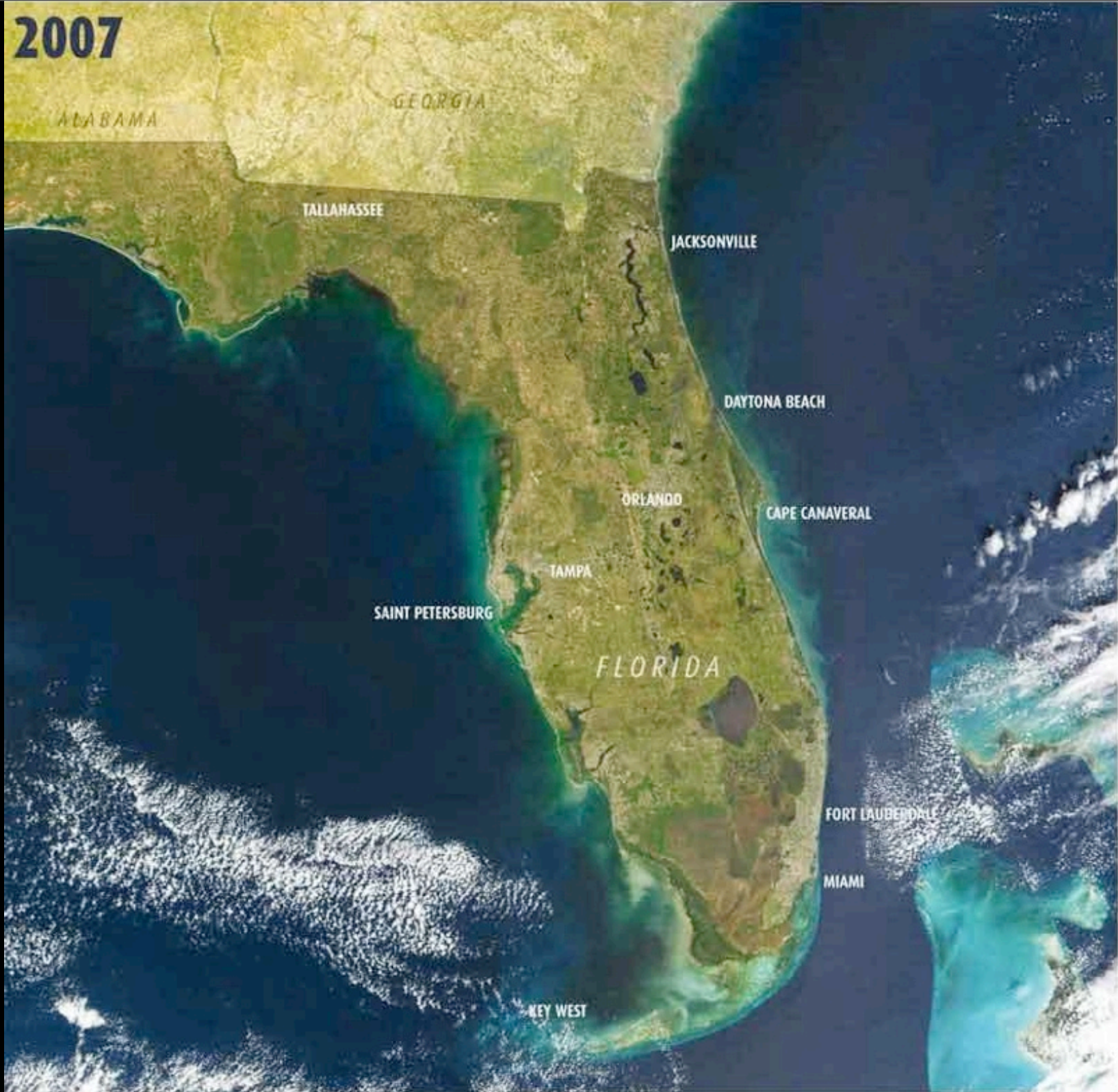


**1979**



**2003**

2007



ALABAMA

GEORGIA

TALLAHASSEE

JACKSONVILLE

DAYTONA BEACH

ORLANDO

CAPE CANAVERAL

TAMPA

SAINT PETERSBURG

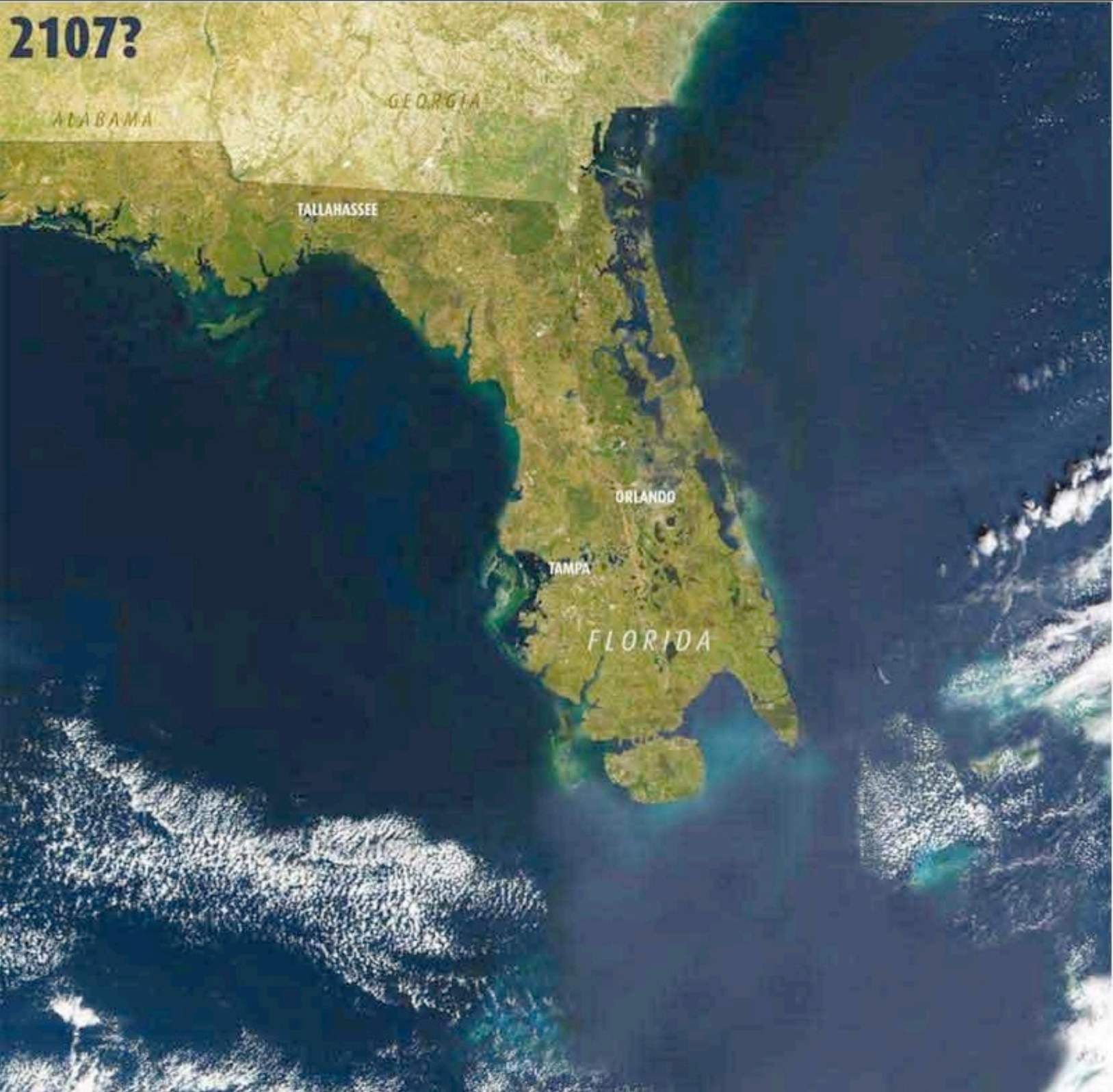
FLORIDA

FORT LAUDERDALE

MIAMI

KEY WEST

2107?



**2ND-QTR SIZZLE**  
**PROFITS AT 900**  
**COMPANIES** (P. 74)

**PAYING FOR COLLEGE**  
**BEWARE OF THOSE**  
**HIGH 529 FEES** (P. 96)

**TERRORISM WHAT**  
**COMPANIES STILL**  
**NEED TO DO** (P. 26)

The McGraw-Hill Companies

# BusinessWeek

AUGUST 21, 2006

www.businessweek.com

## GLOBAL WARMING

Why Business Is Taking It So Seriously

BY JOHN CAREY (P. 60)



## The Economist

ISSN 0950-0804

www.economist.com

The Blair leadership crisis

The new boss at Ford

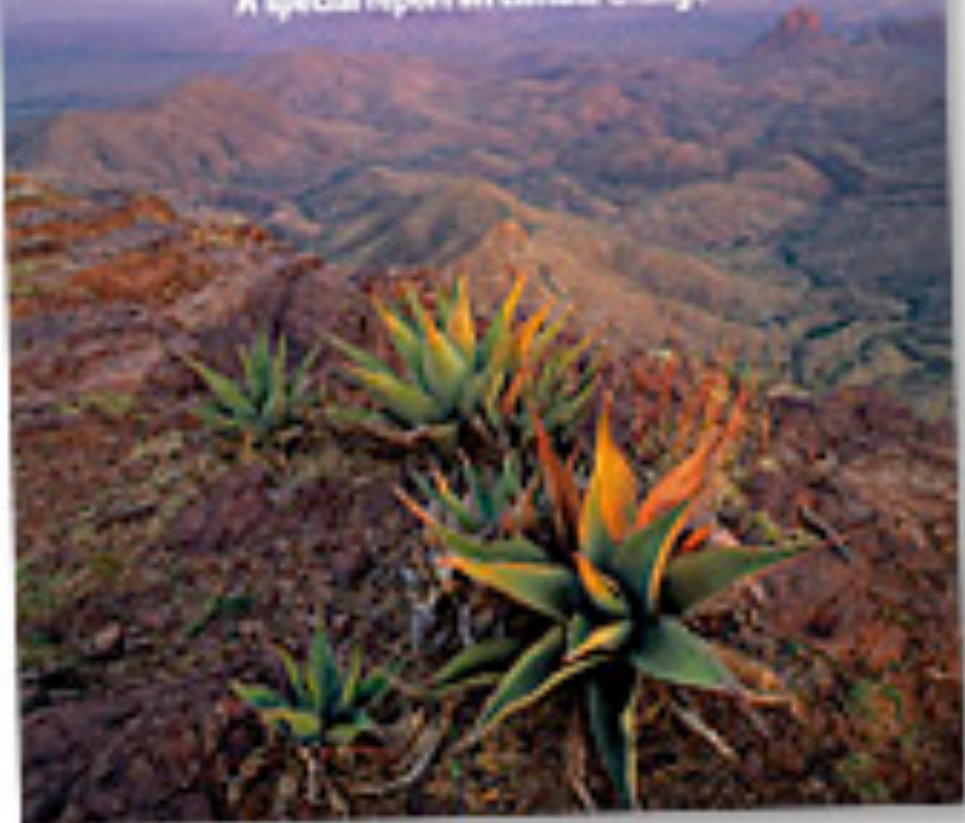
An named in-flight announcement

Catastrophe looms in Darfur

Finny a Swedish model?

## The heat is on

A special report on climate change





# TOBACCO INDUSTRY: 1950

113,597 DOCTORS FROM COAST TO COAST WERE ASKED:



The greatest name in the tobacco industry... doctors in every branch of medicine were asked: "What cigarette do you smoke?"

Three nationally known independent research groups did the asking.

According to this recent Nationwide survey:

**MORE DOCTORS SMOKE CAMELS THAN ANY OTHER CIGARETTE!**

This is no casual claim. It's an actual fact. Based on the statements of doctors themselves to three nationally known independent research organizations.

THEir questions were very simple. One that you... any smoker... might ask a doctor: "What cigarette do you smoke, Doctor?"

After all, doctors are human too. Like you, they smoke for pleasure. Their taste, like yours, enjoys the pleasing flavor of cooler tobaccos. Their throats too appreciate a cool mildness.

And more doctors named Camels than any other cigarette!

If you are a Camel smoker, this preference for Camels among physicians and surgeons will not surprise you. But

CAMEL - COSTLIER TOBACCO

**THE "T-ZONE" TEST WILL TELL YOU**  
The "T-Zone" - T for throat and T for taste - is the most satisfactory "smoke" test. It's a simple, easy-to-use test. It's the only test that tells you how well a cigarette will affect your throat.



Throat Specialists report on 30-Day Test of Camel Smokers—  
**"Not one single case of throat irritation due to smoking Camels!"**

Yes, these were the findings in a total of 2,470 weekly examinations of hundreds of men and women from coast to coast who smoked only Camels for 30 consecutive days! And the smokers in this test averaged one to two packages of Camels a day!



According to a Nationwide survey:

**More Doctors Smoke Camels than any other cigarette!**

When three leading independent research organizations asked 113,597 doctors what cigarette they smoked, the brand named most was Camel!



Every doctor in private practice was asked:—family physicians, surgeons, specialists... doctors in every branch of medicine—  
**"What cigarette do you smoke?"**

According to a recent Nationwide survey:

**More Doctors Smoke Camels than any other cigarette!**

Not a guess, not just a trend... but an actual fact based on the statements of doctors themselves to 3 nationally known independent research organizations.



Yes, your doctor was asked... along with thousands and thousands of other doctors from Maine to California. And they've named their choice—the brand that more doctors named as their smoke in Camels! Three nationally known independent research organizations found this to be a fact. Nothing unusual about it. Doctors smoke for pleasure just like the rest of us. They appreciate, just as you, a mildness that's cool and easy on the throat. They love enjoy the full, rich flavor of expertly blended superior tobaccos. And they named Camels... none of those named Camels than any other brand. Next time you buy cigarettes, try Camels.

According to repeated nationwide surveys,

**More Doctors Smoke CAMELS than any other cigarette!**



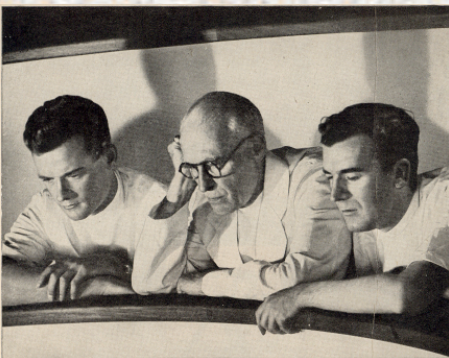
Doctors in every branch of medicine were asked: "What cigarette do you smoke?" The brand named most was Camel!

You'll enjoy Camels for the same reason so many doctors enjoy them. Camels have a cool, cool mildness, pack after pack, and a flavor unexcelled by any other cigarette. Make this sensible new Smoke test! Camels for 30 days and see how well Camels please your taste. How well they suit your throat as your smoke smokes. You'll see how enjoyable a cigarette can be!

THE DOCTORS' CHOICE IS AMERICA'S CHOICE!



For 30 days, test Camels in your "T-Zone" (T for Throat, T for Taste).



**Class of '46 or Class of '06**

Always studying, always increasing the breadth and depth of his knowledge—like this group watching a demonstration of a new method of using penicillin—the doctor's "school days" are never done. No matter how great, how famous he may become, his search for even greater knowledge never halts.



B. J. Bernhardt Tobacco Co., Winston-Salem, N. C.

According to a recent independent nationwide survey:  
**More Doctors Smoke Camels than any other Cigarette**



Joan Crawford says: "I've made those mildness tests you've read about—my choice is Camels!"

"I wanted a cigarette with rich flavor that agreed with my throat. Camels have a wonderful flavor and the mildness I demand!"



MILLIONS MUST AGREE—BECAUSE CAMEL LEADS ALL OTHER BRANDS!

Smokers all over the country have made the "T-Zone" test, the "T-Zone" test—the thorough 30-day Camel test to find out the score on a cigarette mildness. Now, after all the mildness tests, the smoke test (T-Zone) and Camel has in biggest lead in popularity in 35 years! The latest published figures show that Camels leads all other brands by billions of cigarettes!

Joan Crawford made her own 30-day Camel test—and compared for mildness and flavor. So have every other smoker. Start your own 30-day test of Camels today. Enjoy Camels' rich, full flavor—a flavor no other cigarette has. And see just how mild a cigarette can be—pack after pack, week after week!

Not one single case of throat irritation due to smoking **CAMELS!**

That's what every throat specialist reported in a coast-to-coast test of hundreds of people who smoked only Camels for 30 days!

# OIL INDUSTRY: 2008

## An Editor in the White House

Handwritten revisions and comments by Philip A. Cooney, chief of staff for the White House Council on Environmental Quality, appear on two draft reports by the Climate Change Science Program and the Subcommittee on Global Change Research. Mr. Cooney's changes were incorporated into later versions of each document, shown below with revisions in bold.

"STRATEGIC PLAN FOR THE U.S. CLIMATE CHANGE SCIENCE PROGRAM," DRAFT TEXT, OCT. 2002

K 14 wetlands will expand in areas where meltwater resulting from deeper and longer thaw  
 15 periods does not have a natural drainage path to the ocean.  
 16  
 17 Warming will also cause reductions in mountain glaciers and advance the timing of the melt  
 18 of mountain snow packs in polar regions. In turn, runoff rates will change and flood  
 19 potential will be altered in ways that are currently not well understood. There will be  
 20 significant shifts in the seasonality of runoff that will have serious impacts on native  
 21 populations that rely on fishing and hunting for their livelihood. These changes will be  
 22 further complicated by shifts in precipitation regimes and a possible intensification and  
 23 increased frequency of extreme hydrologic events. Reducing the uncertainties in current  
 24 understanding of the relationships between climate change and Arctic hydrology is critical

*Handwritten notes:*  
 - "washed" above line 17  
 - "washed" above line 18  
 - "straying from research strategy into speculative findings happens here." in a bracket on the right side of lines 17-22

PUBLIC REVIEW DRAFT, NOV. 2002

Warming **could** also lead to changes in the water cycle in polar regions. Reducing the uncertainties ...

FINAL REPORT, JULY 2003

The paragraph does not appear in the final report.

"OUR CHANGING PLANET," DRAFT TEXT, OCT. 2002

019 the next, and perhaps even beyond.  
 020 The challenge for the USGCRP is to provide the best possible scientific basis for documenting,  
 021 ~~diagnosing~~, and projecting changes in the Earth's life-support systems, and the role for CCRI is to  
 022 facilitate full use of ~~this~~ scientific information in policy and decisionmaking on response strategies  
 023 for adaptation and mitigation at the international, national, and regional scales. ~~possible~~  
 024  
 025  
 026 From "Discovery" to "Comparative Analysis"  
 027 Because of the scientific accomplishments of USGCRP and other research programs during the  
 028 last decade, a period that could be termed a productive "period of discovery and characterization,"  
 029 the CCRI, in coordination with the USGCRP, will move into a new "period of comparative  
 030 analysis of response strategies." In this new phase of the climate science programs, information  
 031 that compares the potential consequences of different responses to global changes, including  
 032 climate change, will be developed in a form useful to national debate and decisionmaking. This

*Handwritten notes:*  
 - "might allow" in a circle next to line 026  
 - "reasons at" in a circle next to line 027  
 - "pursued" in a circle next to line 027  
 - "understanding" with an arrow pointing to line 020  
 - "reduce the significant remaining uncertainties associated with human-induced climate change and" with an arrow pointing to line 023  
 - "possible" with an arrow pointing to line 023

FINAL REPORT, 2003

The challenge for the USGCRP is to provide the best possible scientific basis for documenting, **understanding**, and projecting changes in the Earth's life-support systems, and the role for CCRI is to **reduce the significant remaining uncertainties associated with human-induced climate change and** facilitate full use of scientific information in policy and decisionmaking on **possible** response strategies for adaptation and mitigation.

Competitive Enterprise Institute  
www.cei.org

Competitive Enterprise Institute  
www.cei.org

# ENEMIES OF THE STATE



“The existence of global warm scientifically inconclusive”

**PHILIP COONEY**  
Advisor, White House / Ex



“Global warming is the worst hoax r perpetrated on humanity...”

**JIM INHOFE**  
Senator (R), Oklahoma



**WE THE PEOPLE**



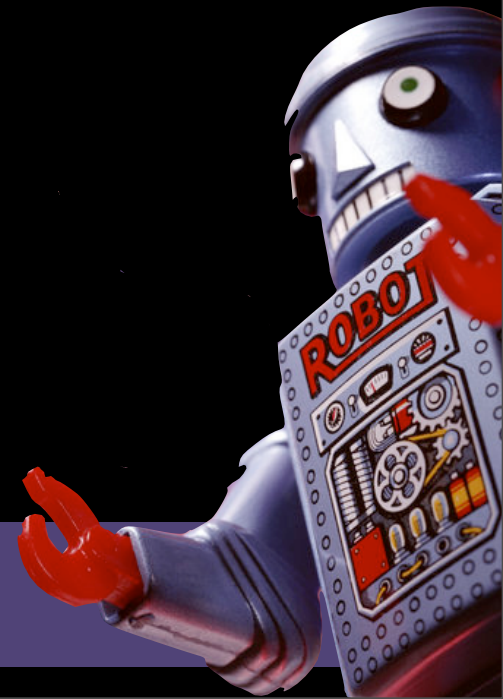
“alarmist reports...”  
“extortion by environmentalists...”

**MYRON EBELL**  
Director, Competitive Enterprise Institute



“anyway, the truth is that no one but God really knows why the climate is changing...”

**BILL O'REILLY**  
Talk Show Host, Fox News



*bleak future:* ENERGY





[sterlingenergy.com](http://sterlingenergy.com)



[nanosolar.com](http://nanosolar.com)

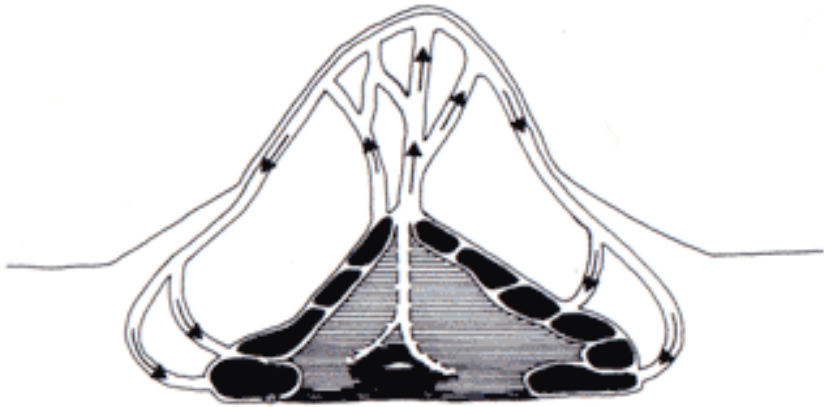


[stormbladeturbine.com](http://stormbladeturbine.com)

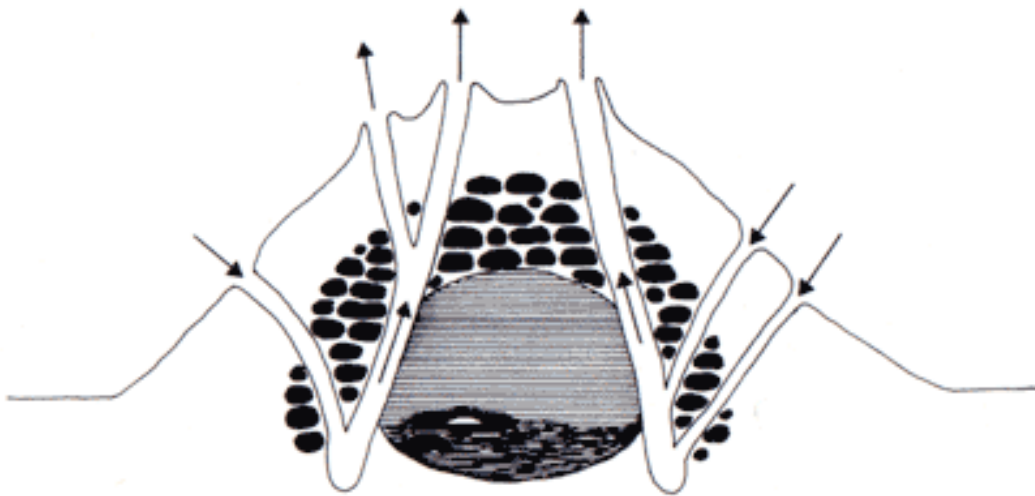






[ecosmartfire.com](http://ecosmartfire.com)

A. *Macrotermes michaelseni*

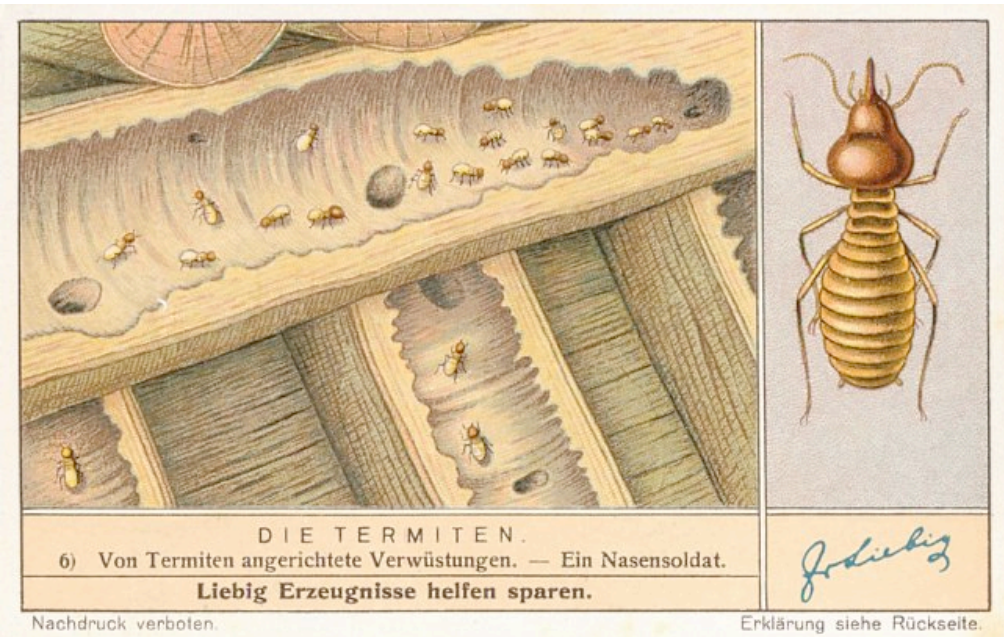


B. *Macrotermes subhyalinus*



-  Direction of air movement
-  Fungus combs
-  Nursery galleries
-  Royal cell

1 m



## Radiant Heat

saves the cost of

**ducts, chases & equipment**

## Tankless Water Heater

saves the cost of

**pipes & insulation**

## Natural Daylight

saves the cost of

**lighting fixtures**

# SAVINGS



*bright future:* ENERGY

# WILDERNESS

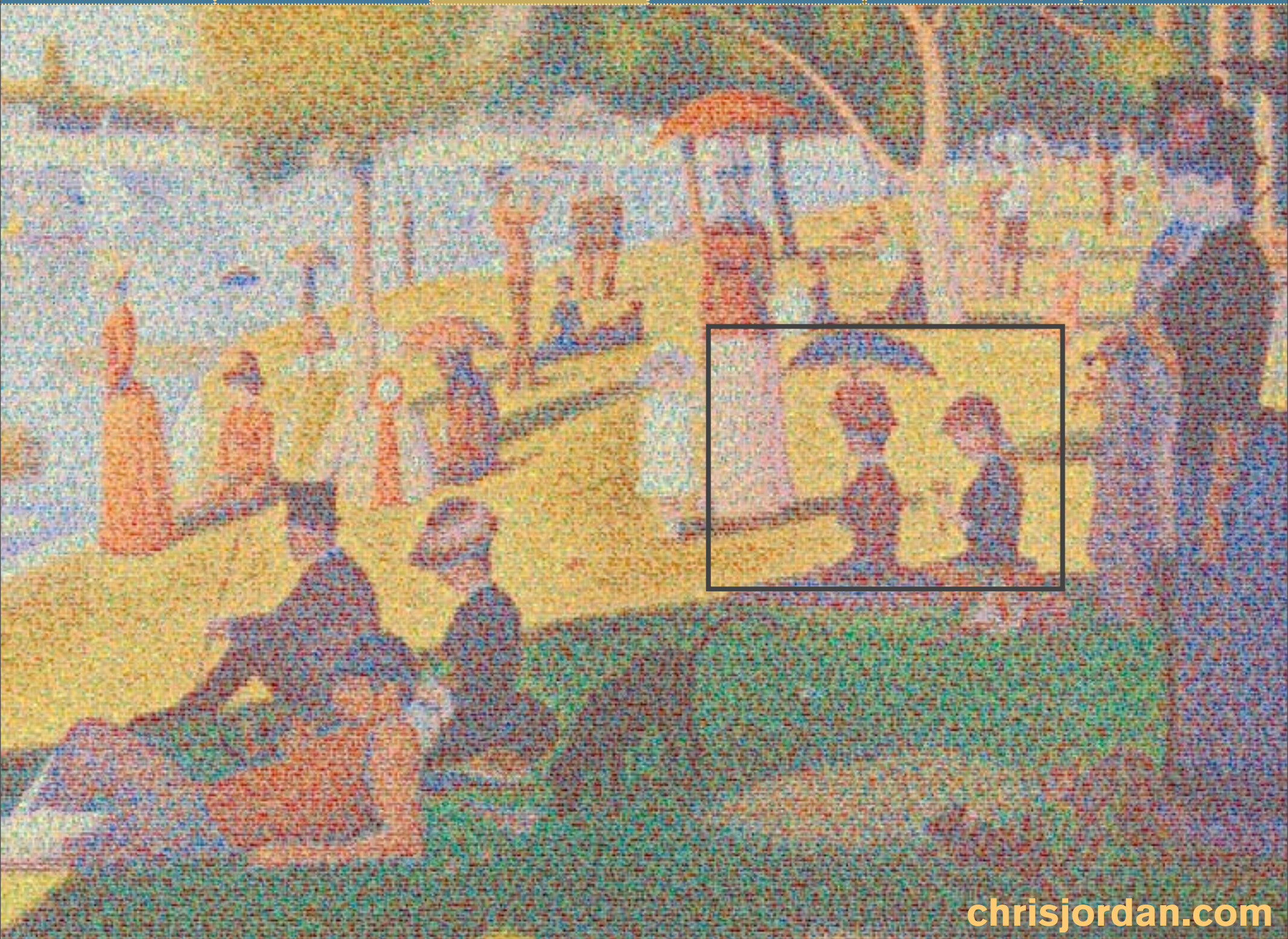


**38** percent

**NORTH AMERICA**

**28** percent

**AFRICA**





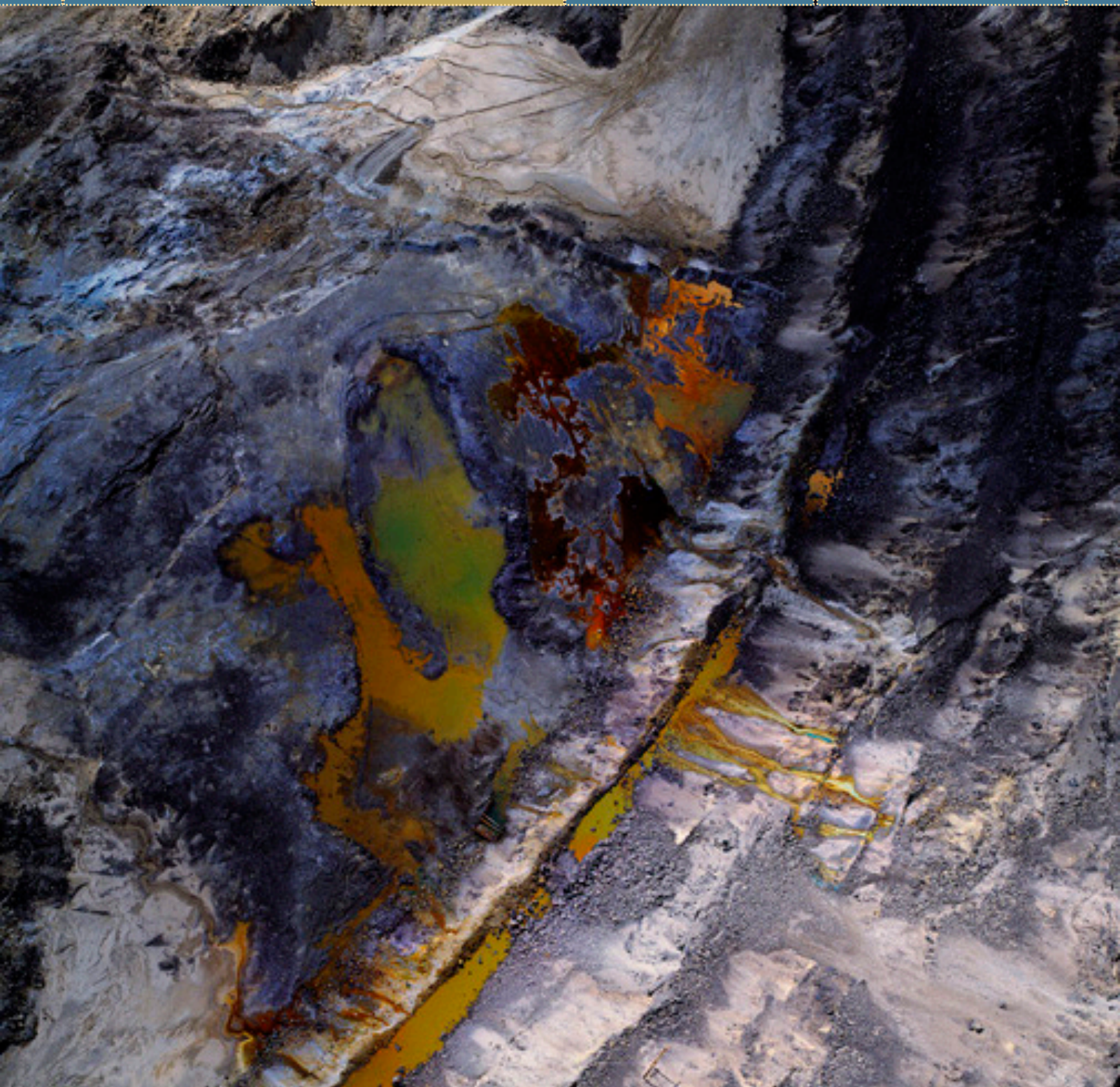


**106,000** cans  
CONSUMED EVERY  
**30** seconds





[davidmaisel.com](http://davidmaisel.com)



2

times

the size of Texas



the **Pacific Gyre**  
**GARBAGE PATCH**

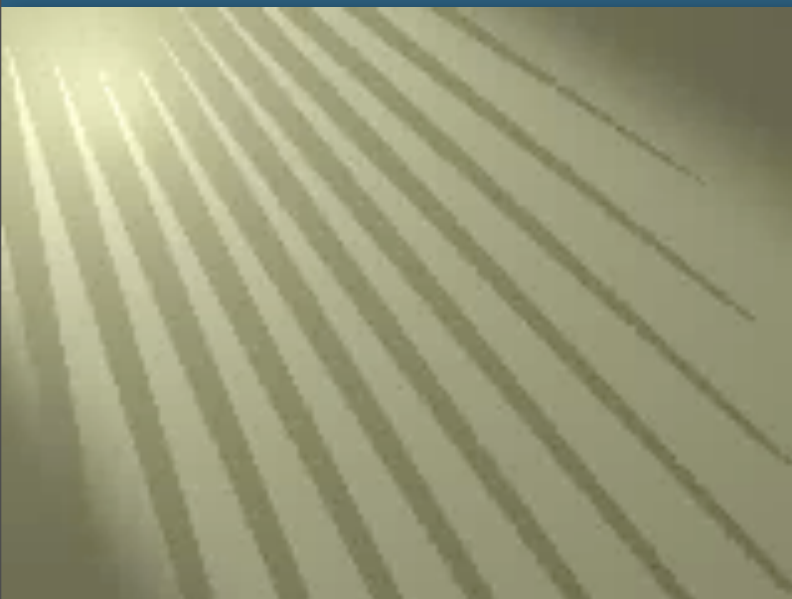


buildings of the world  
**consume**

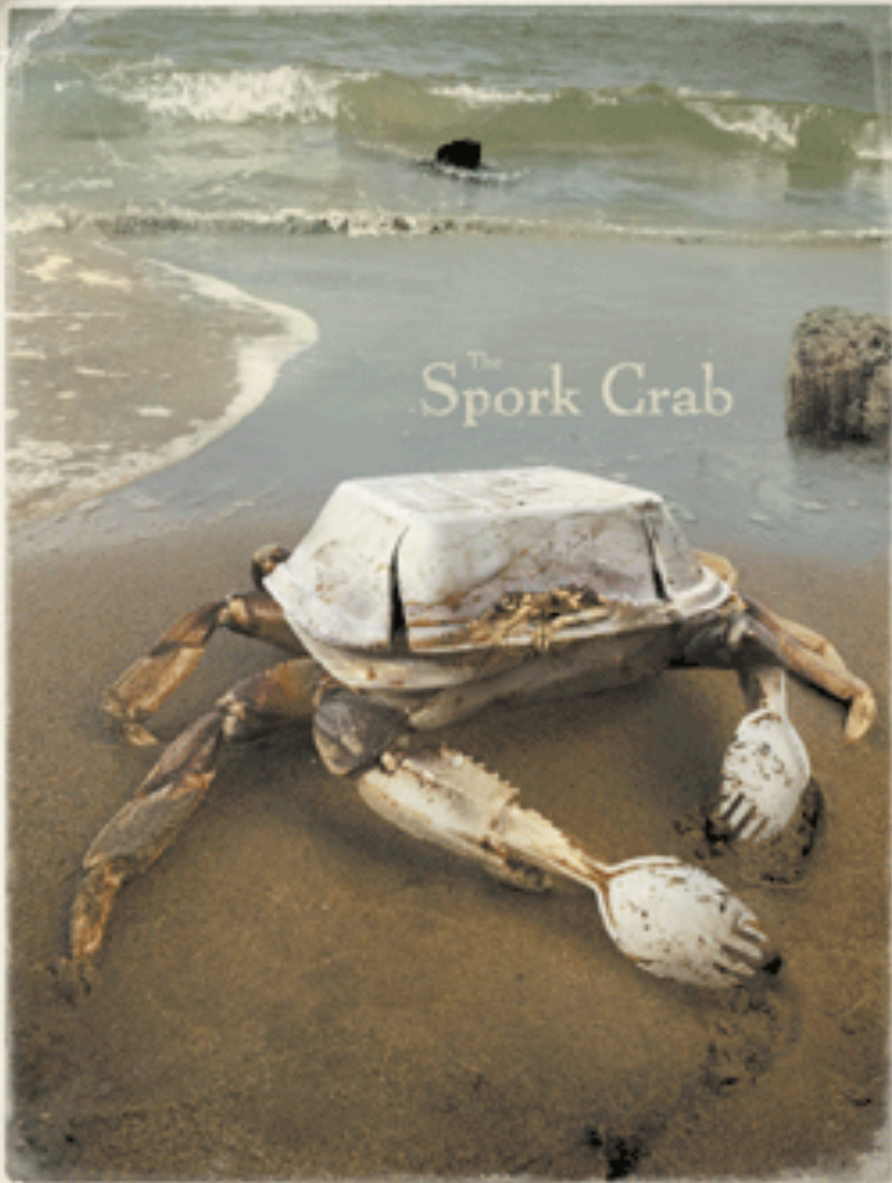
**40%**  
of the world's energy & materials

**17%**  
of our water

**25%**  
of the wood harvested



Non-Native Species of the California Coast



The Spork Crab

CALIFORNIA COASTAL CLEANUP DAY  
September 17th • 9am-noon

Non-Native Species of the California Coast



The Cola Bass

CALIFORNIA COASTAL CLEANUP  
September 17th • 9am-noon

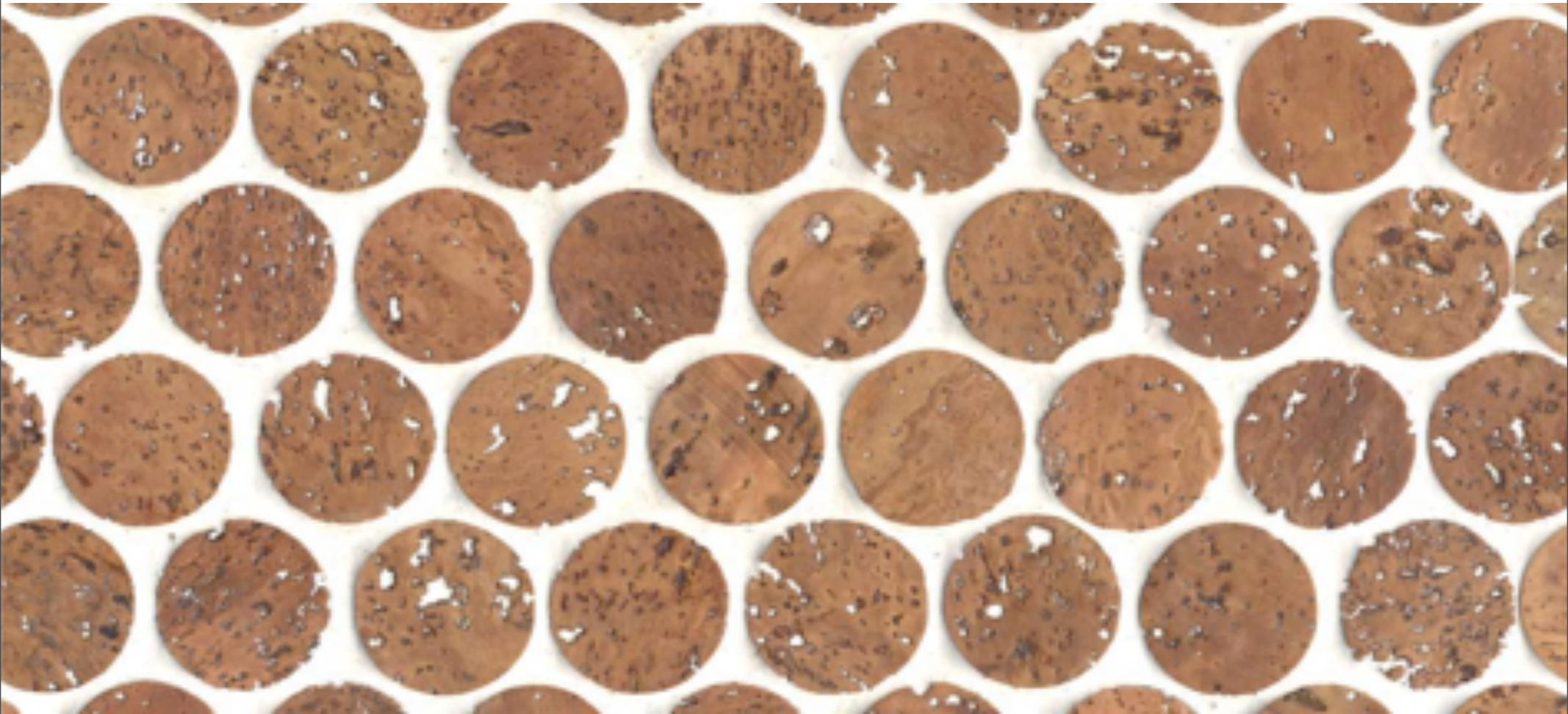


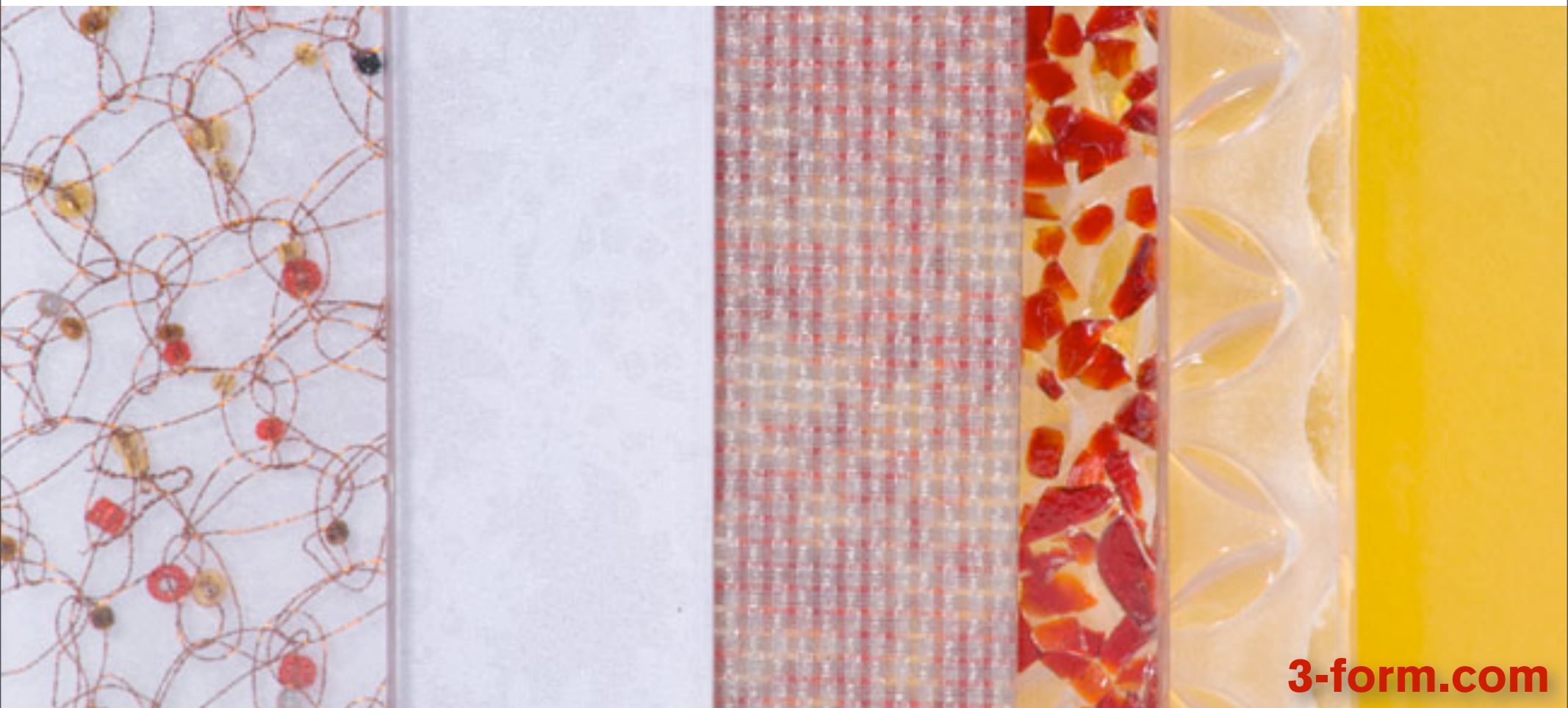
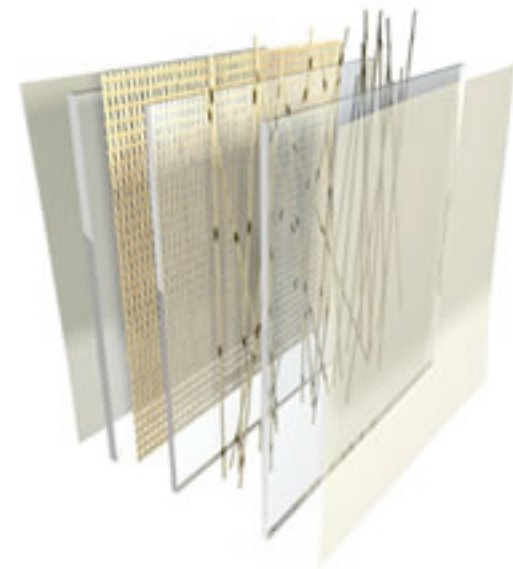
*bleak future:* MATERIALS



[barkskin.com](http://barkskin.com)







[3-form.com](http://3-form.com)



[renewedmaterials.com](http://renewedmaterials.com)



[eleepinc.com](http://eleepinc.com)



[uhurudesign.com](http://uhurudesign.com)



[modulararts.com](http://modulararts.com)



[mioculture.com](http://mioculture.com)

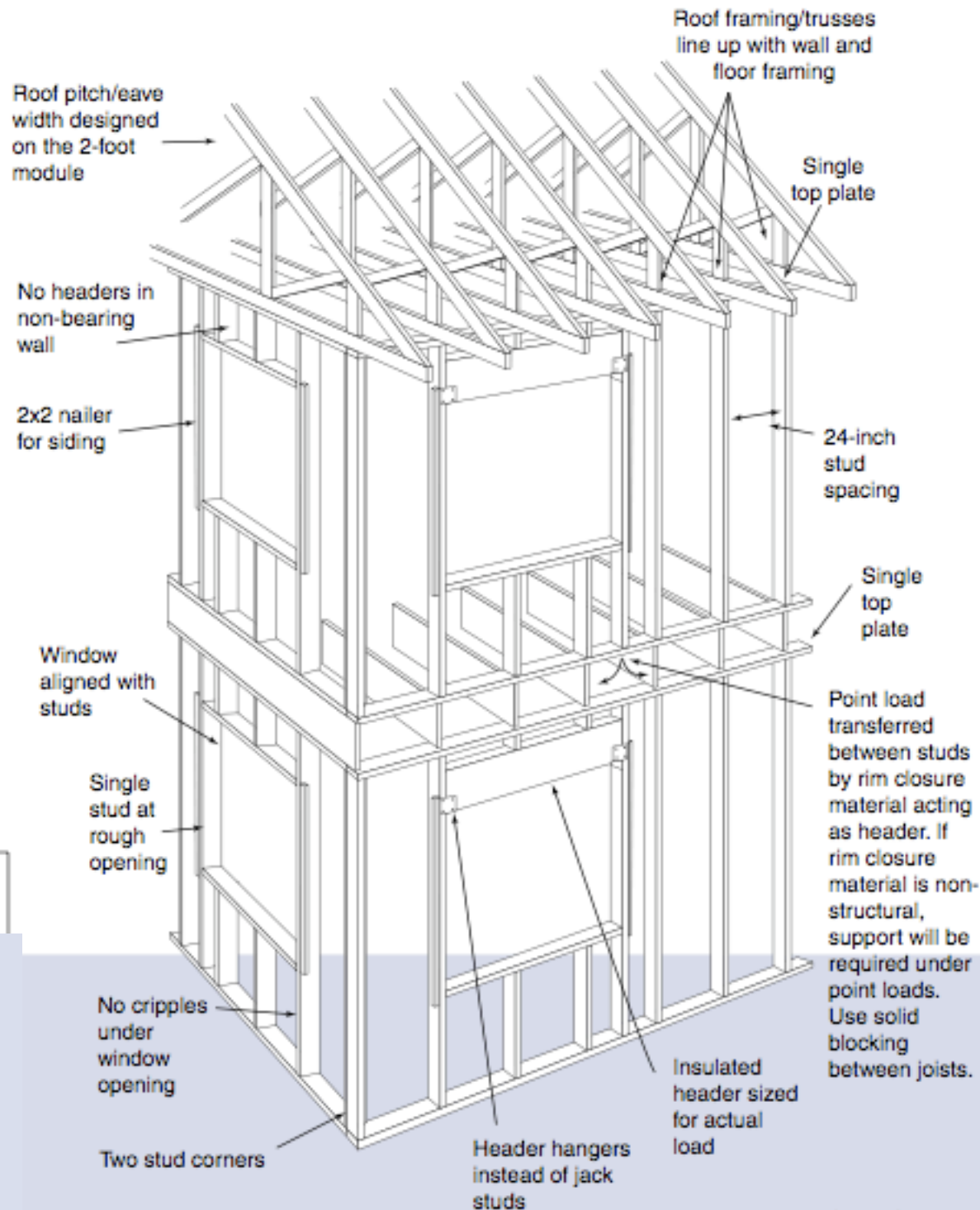




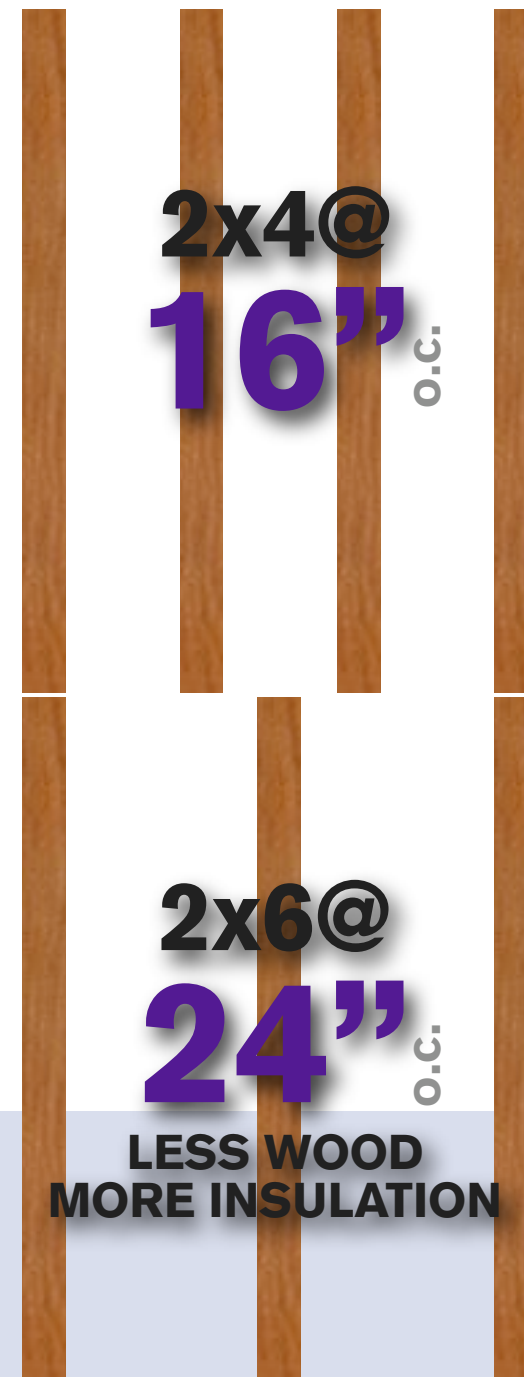
[ecoshake.com](http://ecoshake.com)



[zappone.com](http://zappone.com)



Adapted from Building Science Corporation



## Local Materials

saves the cost of

## shipping & storage

## Construction Salvage

saves the cost of

## dumping & hauling

## Integral Colors

saves the cost of

## prep & painting

# SAVINGS



*bright future:* MATERIALS



**3** percent  
**IN 1980**



**9** percent  
**IN 2003**

**22** percent

higher on  
**S.A.T.'s**





“[Pergo] is the cockroach of wood flooring... it offgasses you in your sleep.”



engineered wood (where thin strips of wood are lain over each other in alternating directions then compressed) to reclaimed wood to wood laminate (plywood with a photo of wood adhered on top)—all of which have diverse levels of green credibility. Whatever you do, however, once your sustainable solution is installed underfoot, don't forget to apply an earth-friendly product to its surface. "The worst thing is to have a green floor and then put some nasty oil-based toxic lacquer on it," Freed warns. And feel free to toss your chemical cleansers; all you really need are water, white vinegar, and a mop. ▶





# *bleak future:* AIR QUALITY



[bondedlogic.com](http://bondedlogic.com)



[americanclay.com](http://americanclay.com)



[yolocolorhouse.com](http://yolocolorhouse.com)



[methodhome.com](http://methodhome.com)



**Non-toxic  
Paints**

saves the cost of

**disposal &  
clean up**

**Avoiding  
formaldehyde**

saves the cost of

**future  
compliance**


**Non-toxic  
cleaners**

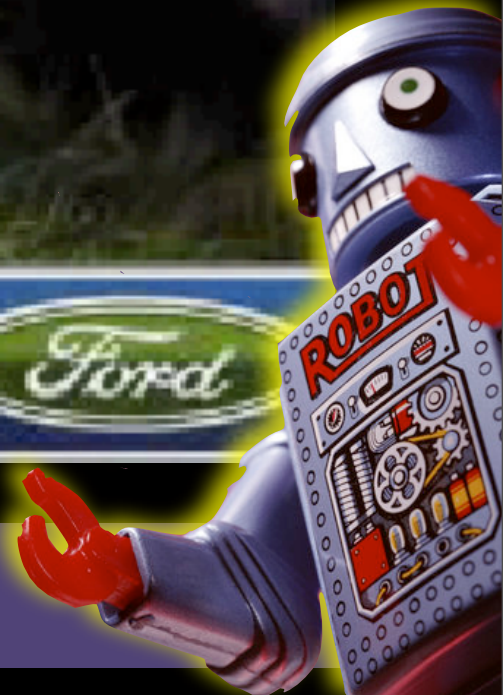
saves the cost of

**gloves &  
aspirin**

**SAVINGS**

**H<sub>2</sub>** Ohhh!

the new hydrogen-powered H from 

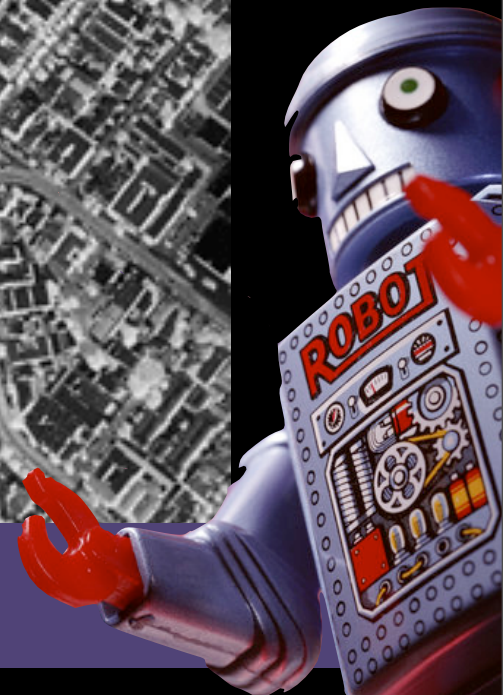


*bright future:* AIR QUALITY





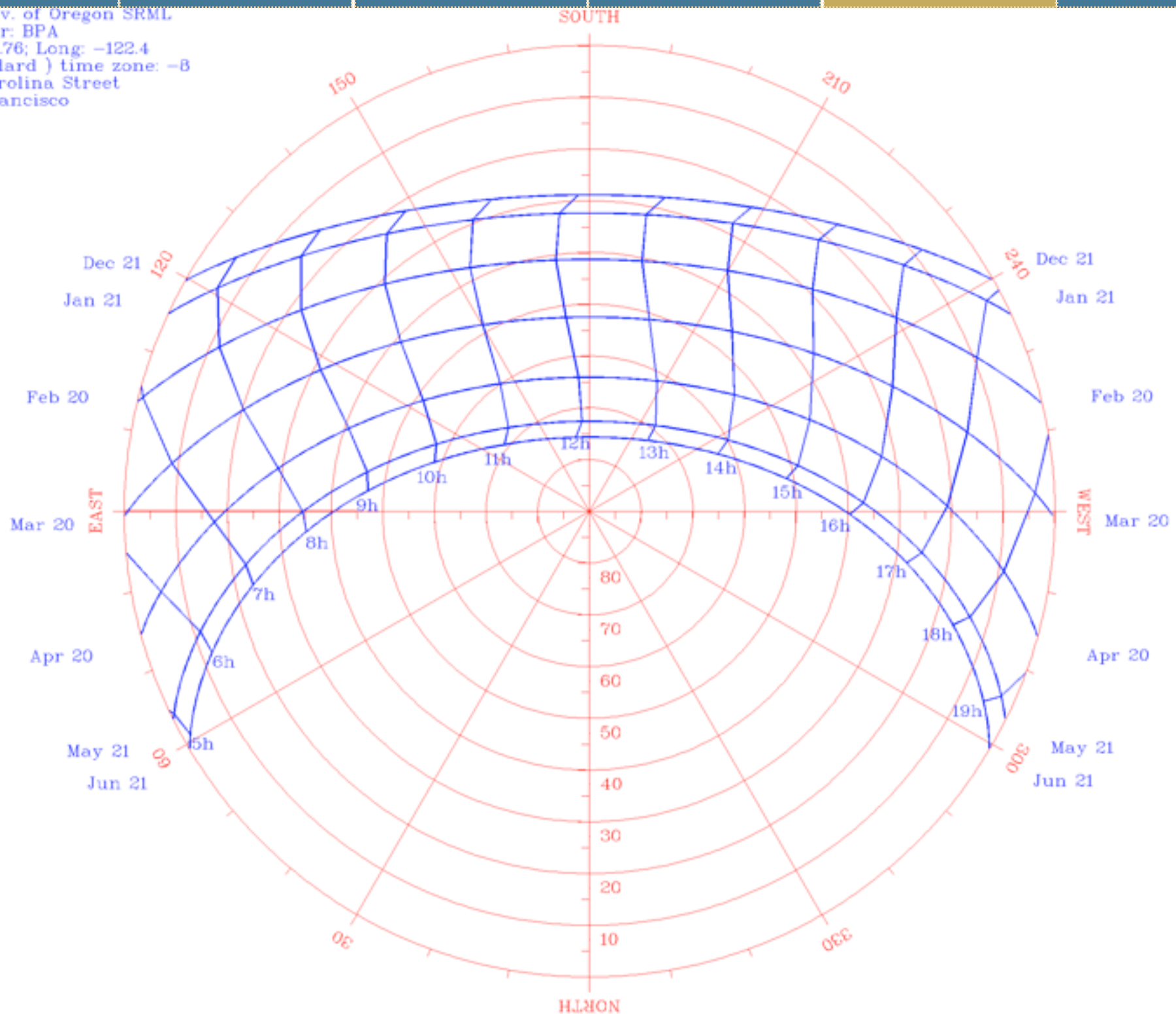


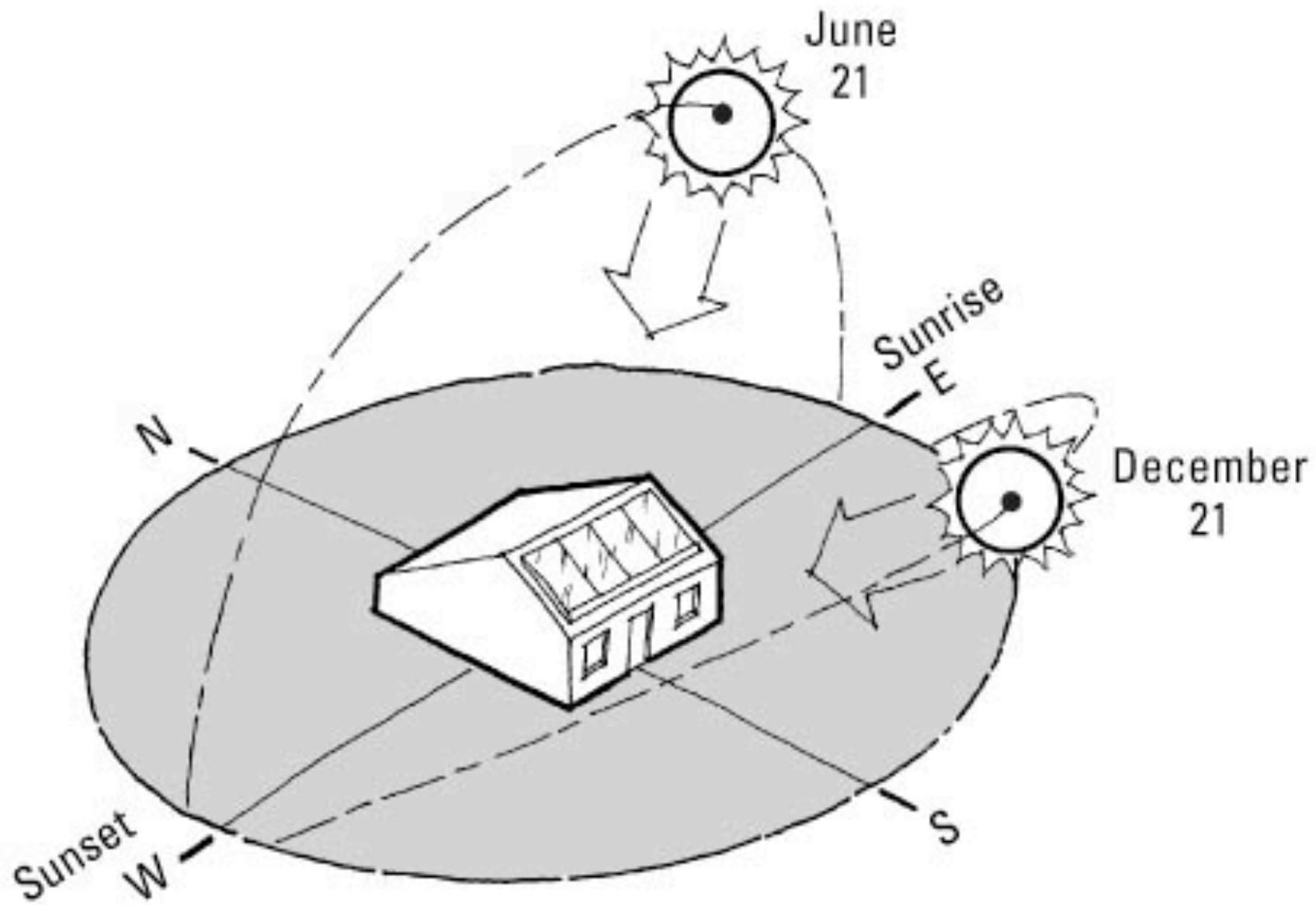


*bleak future:* SITING



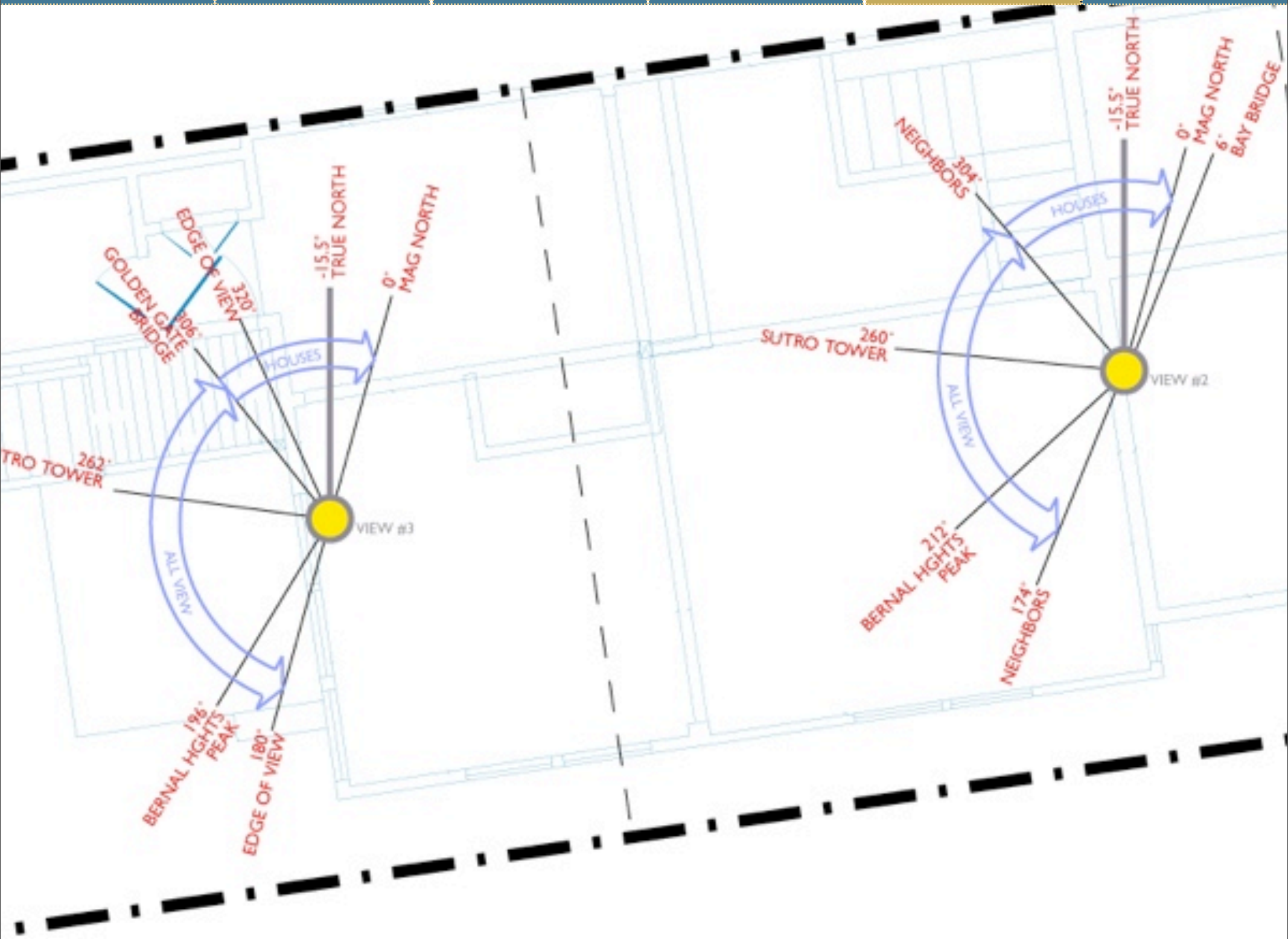
(c) Univ. of Oregon SRML  
 Sponsor: BPA  
 Lat: 37.76; Long: -122.4  
 ( Standard ) time zone: -8  
 888 Carolina Street  
 San Francisco

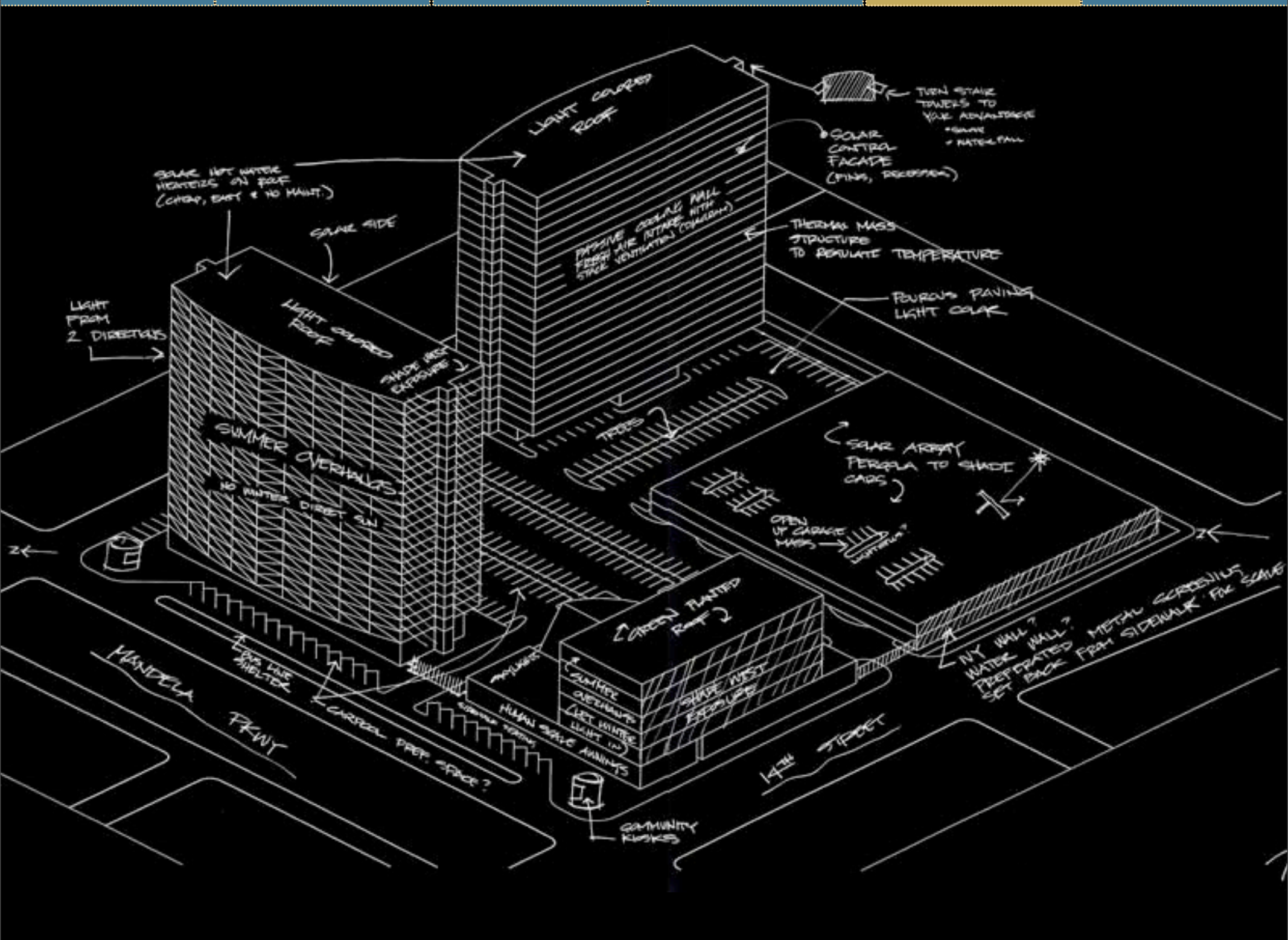


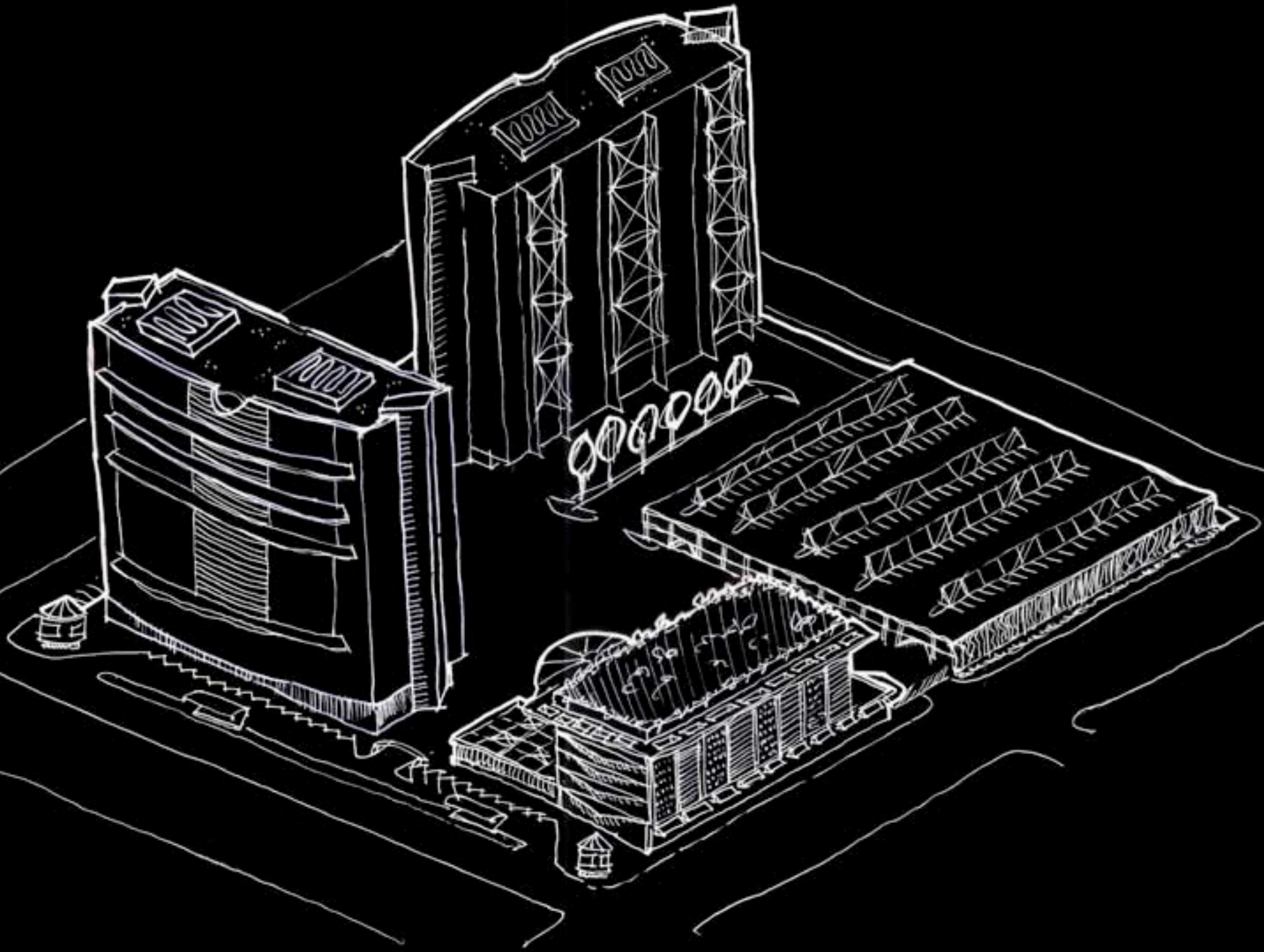












## Passive Solar

saves the cost of

**size of heater & air conditioner**

## Reducing Excavation

saves the cost of

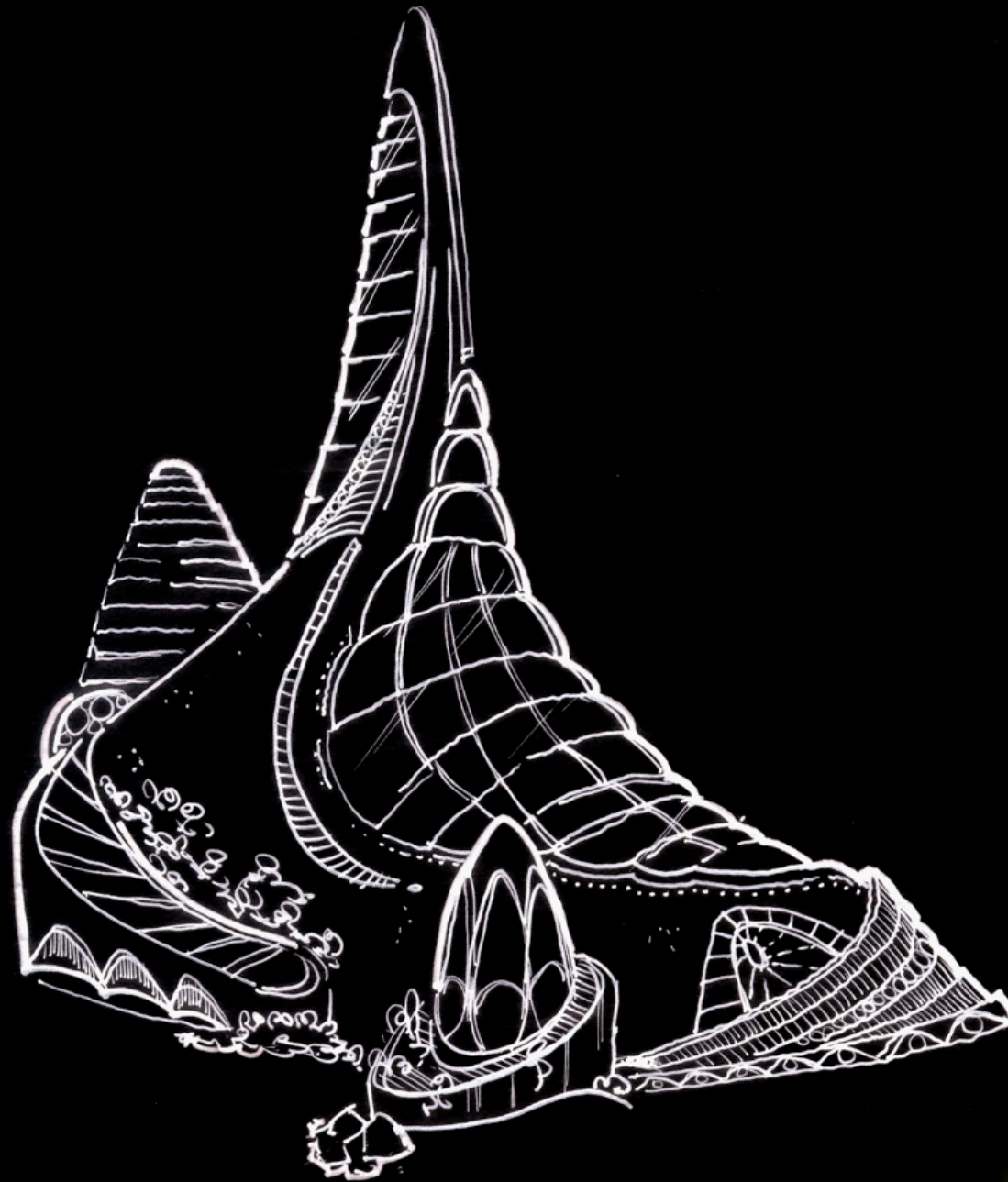
**dumping & hauling**

## Cleaning a Brownfield

saves the cost of

**taxes & land costs**

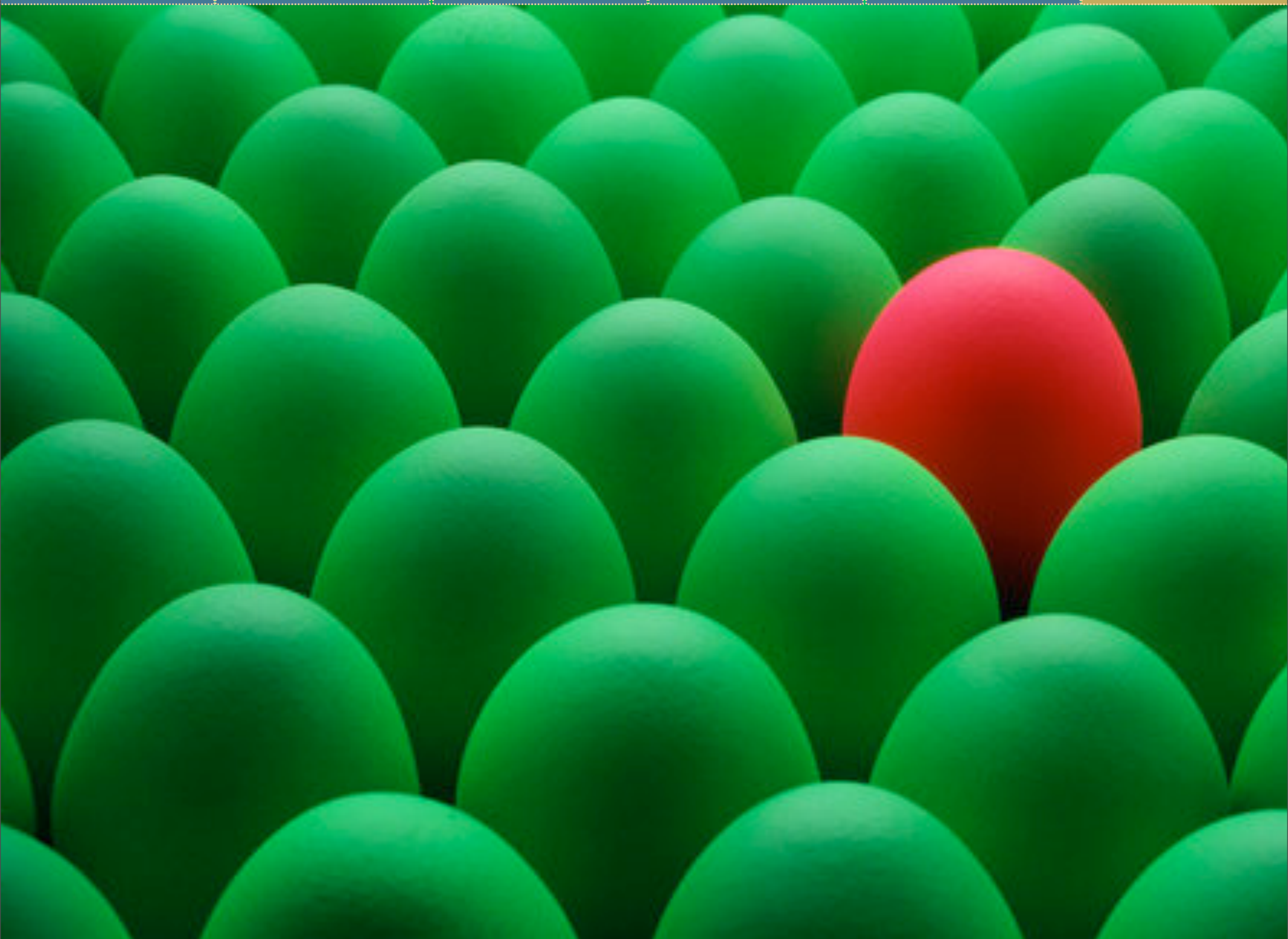
# SAVINGS



*bright future:* SITING



**it's the beige one.**



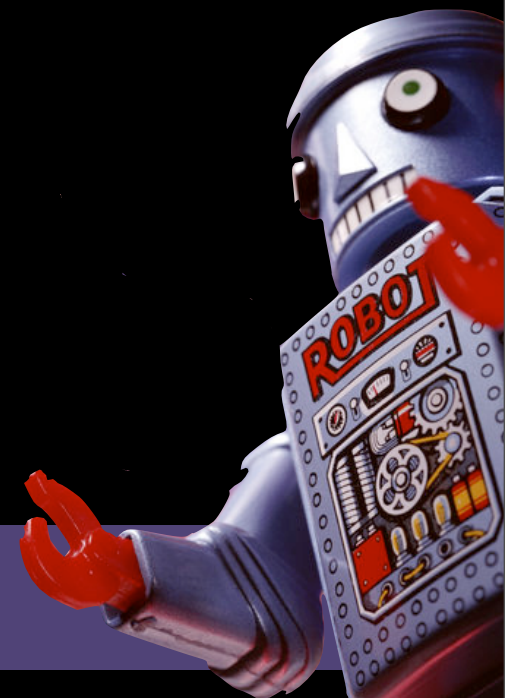
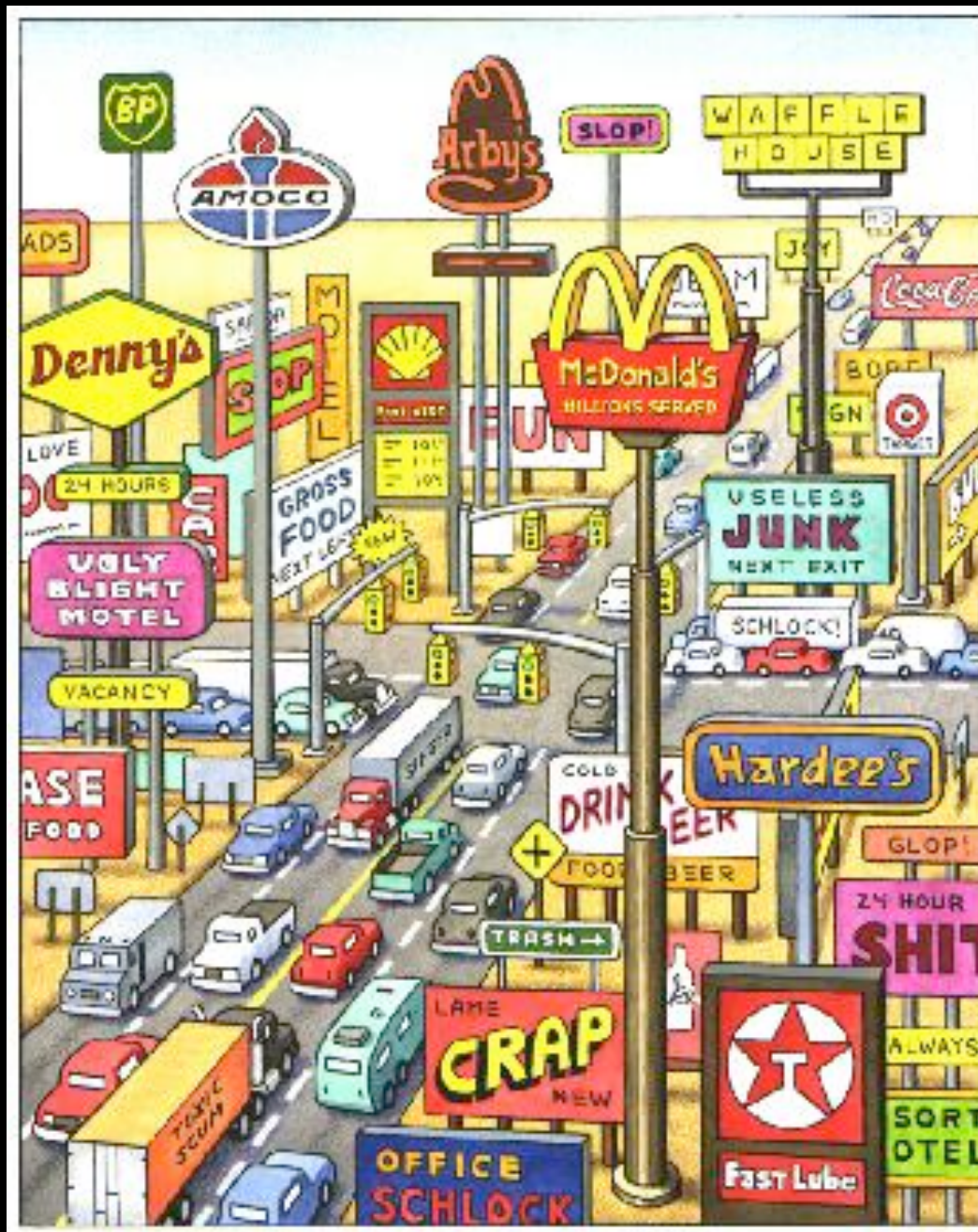


© www.danheller.com

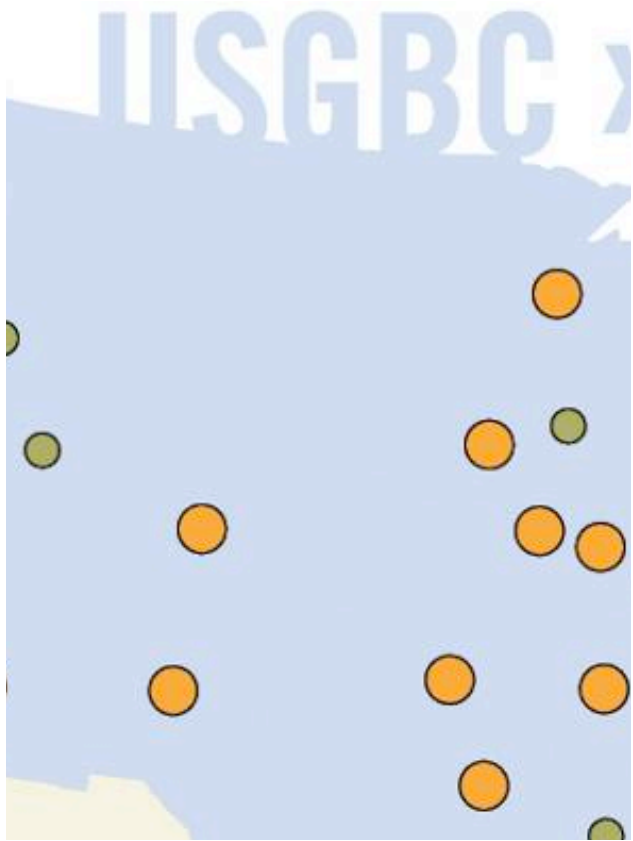


WE'VE APPEASED NON-SMOKERS...  
NOW, LET'S APPEASE NON-DRIVERS!!  
***DIVIDE CITIES INTO TWO SECTIONS:***  
**DRIVING** AND **NON-DRIVING**





*bleak future:* COMMUNITY



## Overview of LEED

# What is the LEED System?

## LEADERSHIP in ENERGY and ENVIRONMENTAL DESIGN

A leading-edge system for certifying DESIGN, CONSTRUCTION, & OPERATIONS of the greenest buildings in the world

Scores are tallied for different aspects of efficiency and design in appropriate categories.

For instance, LEED assesses in detail:

1. Site Planning
2. Water Management
3. Energy Management
4. Material Use
5. Indoor Environmental Air Quality
6. Innovation & Design Process



Green Facts	
John M. Langston High School Continuation & Langston-Brown Community Center Arlington, Virginia	
LEED-NC rating out of	69
Silver	35
Sustainable Site	8
Water Efficiency	3
Energy & Atmosphere	4
Materials & Resources	6
Indoor Environmental Quality	11
Innovation & Design	3
USGBC LEED-NC rated Sept. 3, 2003.	



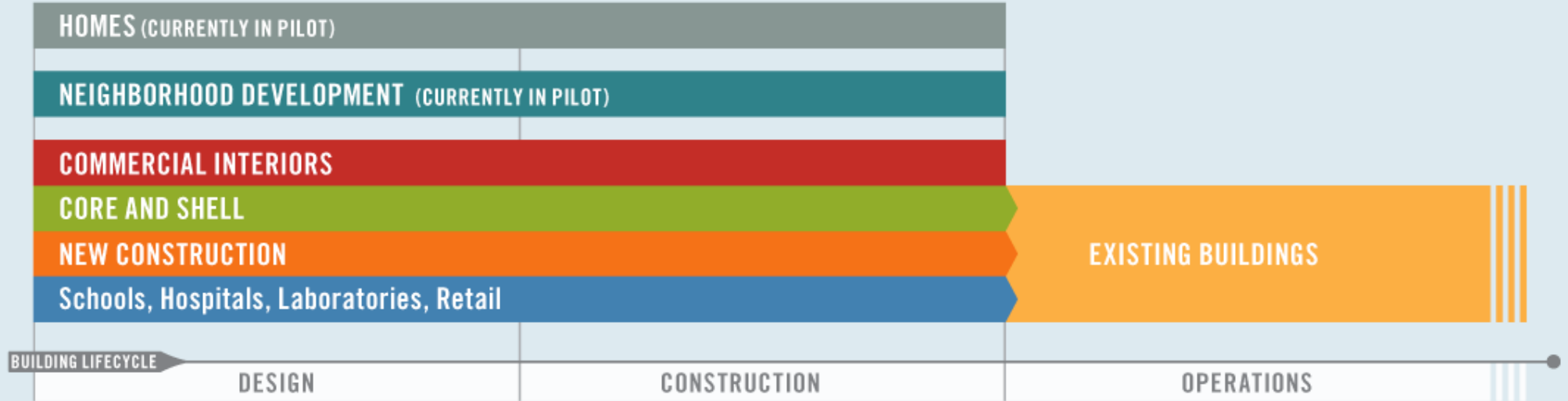
# Levels of LEED Ratings

**Green Buildings  
worldwide are certified  
with a voluntary,  
consensus-based  
rating system.  
USGBC has four  
levels of LEED.**



# LEED addresses the complete lifecycle of commercial buildings.

Programs are in pilot for Homes and Neighborhoods.



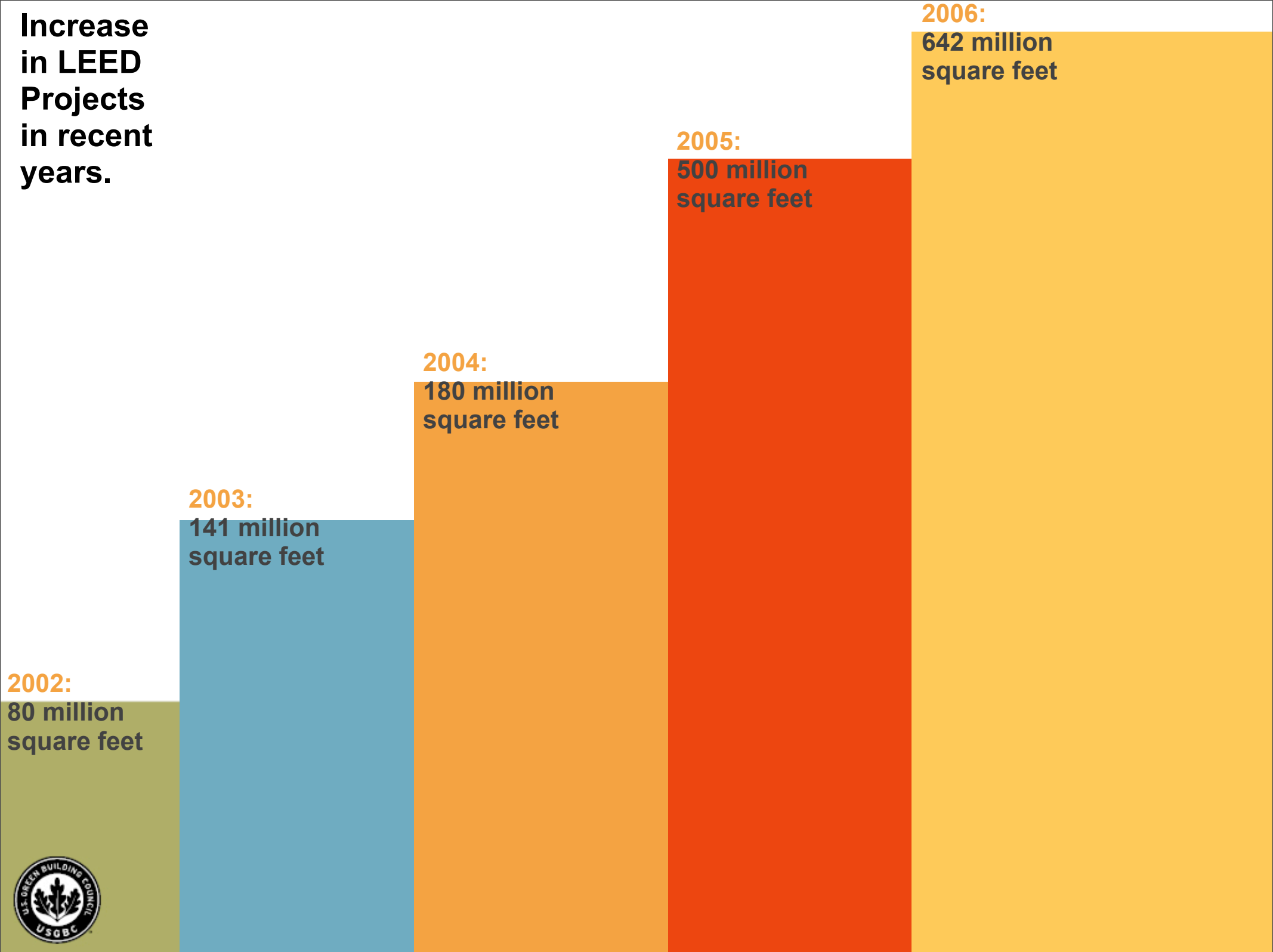
LEED-NC **4794** Registered **597** Certified

LEED-EB **285** Registered **46** Certified

LEED-CI **454** Registered **123** Certified

as of May 2007

# Increase in LEED Projects in recent years.



**2002:**  
80 million square feet

**2003:**  
141 million square feet

**2004:**  
180 million square feet

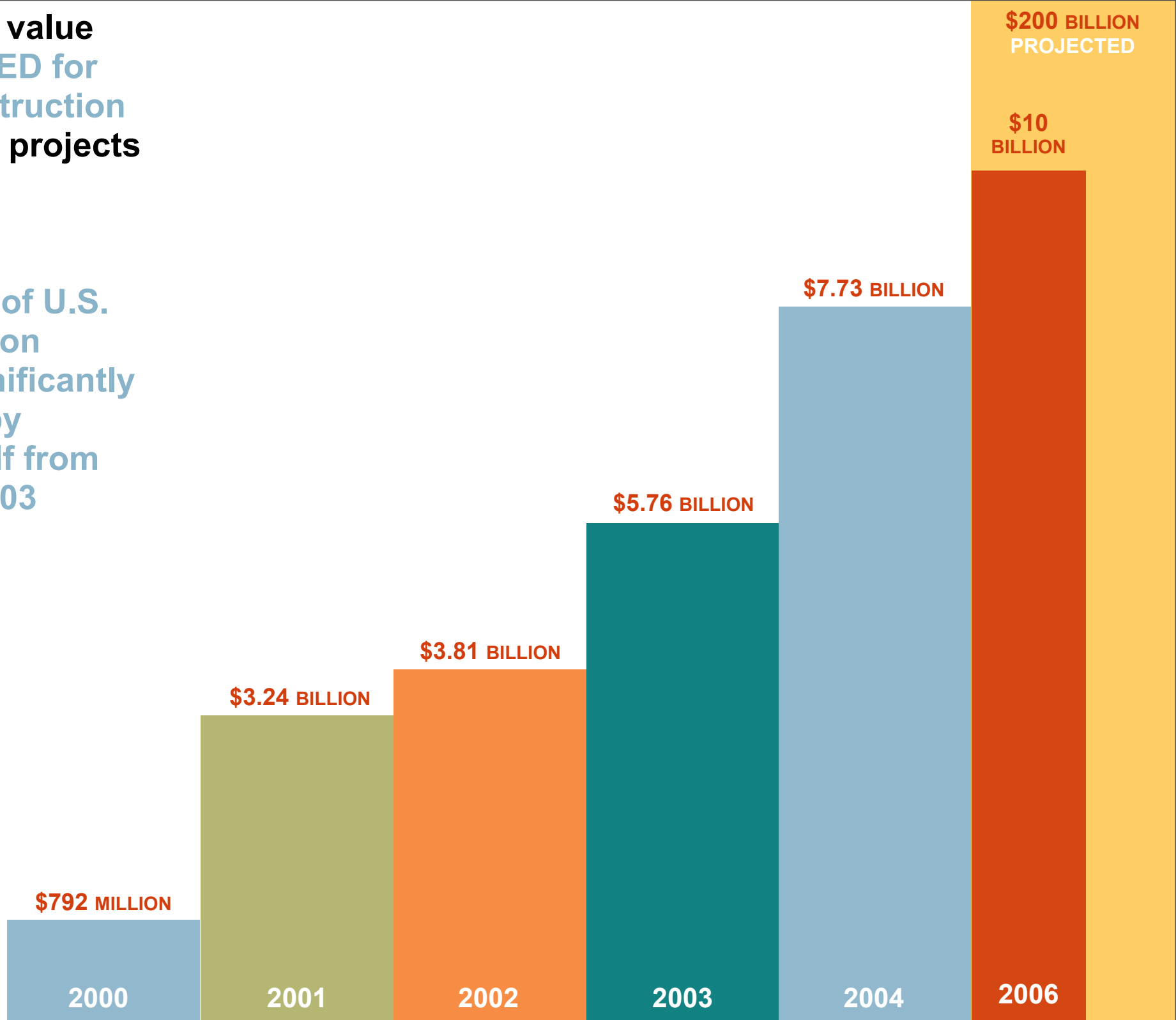
**2005:**  
500 million square feet

**2006:**  
642 million square feet



# Estimated value of new LEED for New Construction registered projects

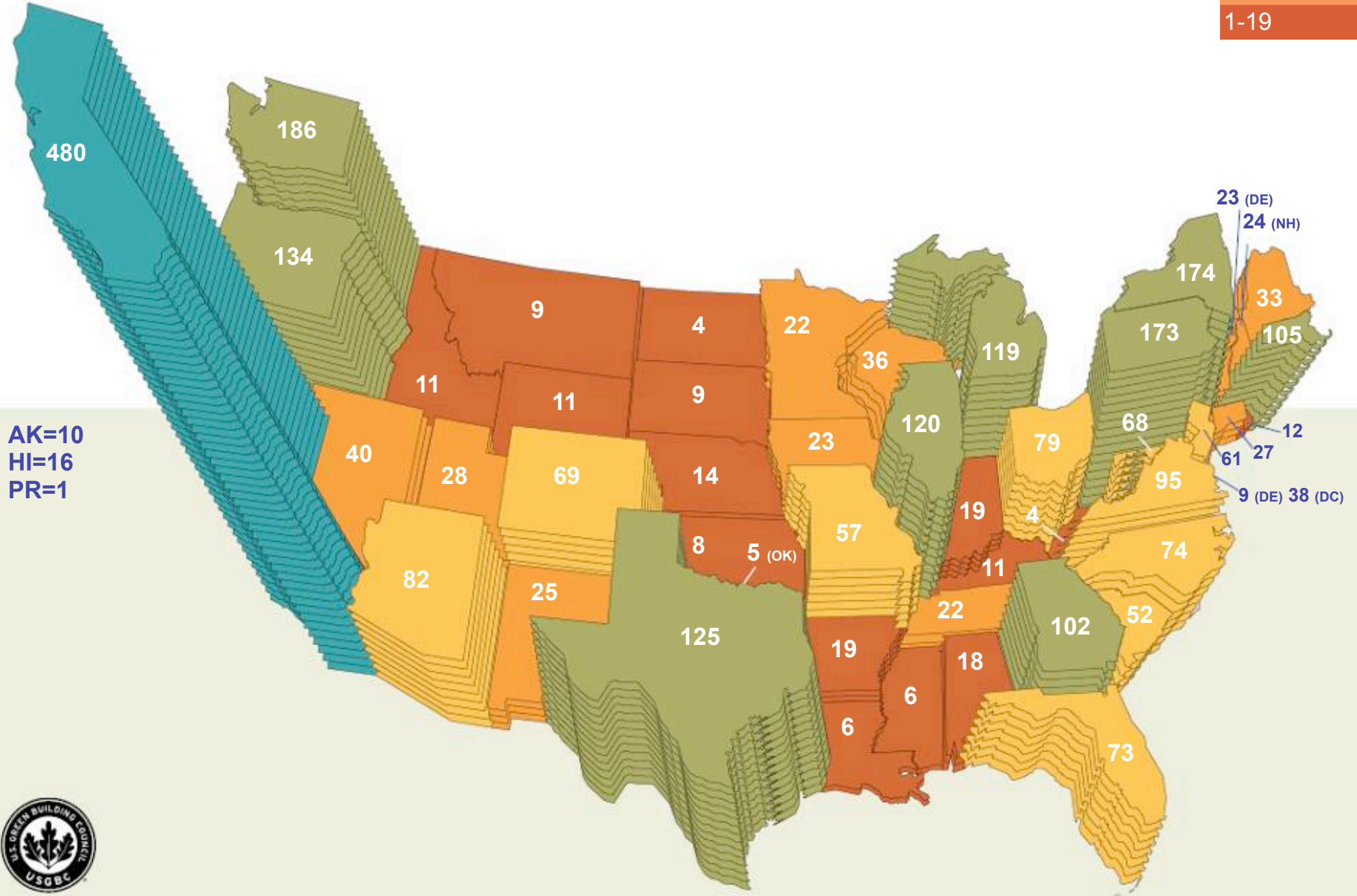
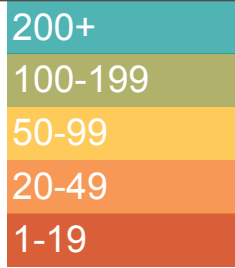
The value of U.S. construction starts significantly declined by almost half from 2000 to 2003



# LEED for new construction buildings

as of May 2007

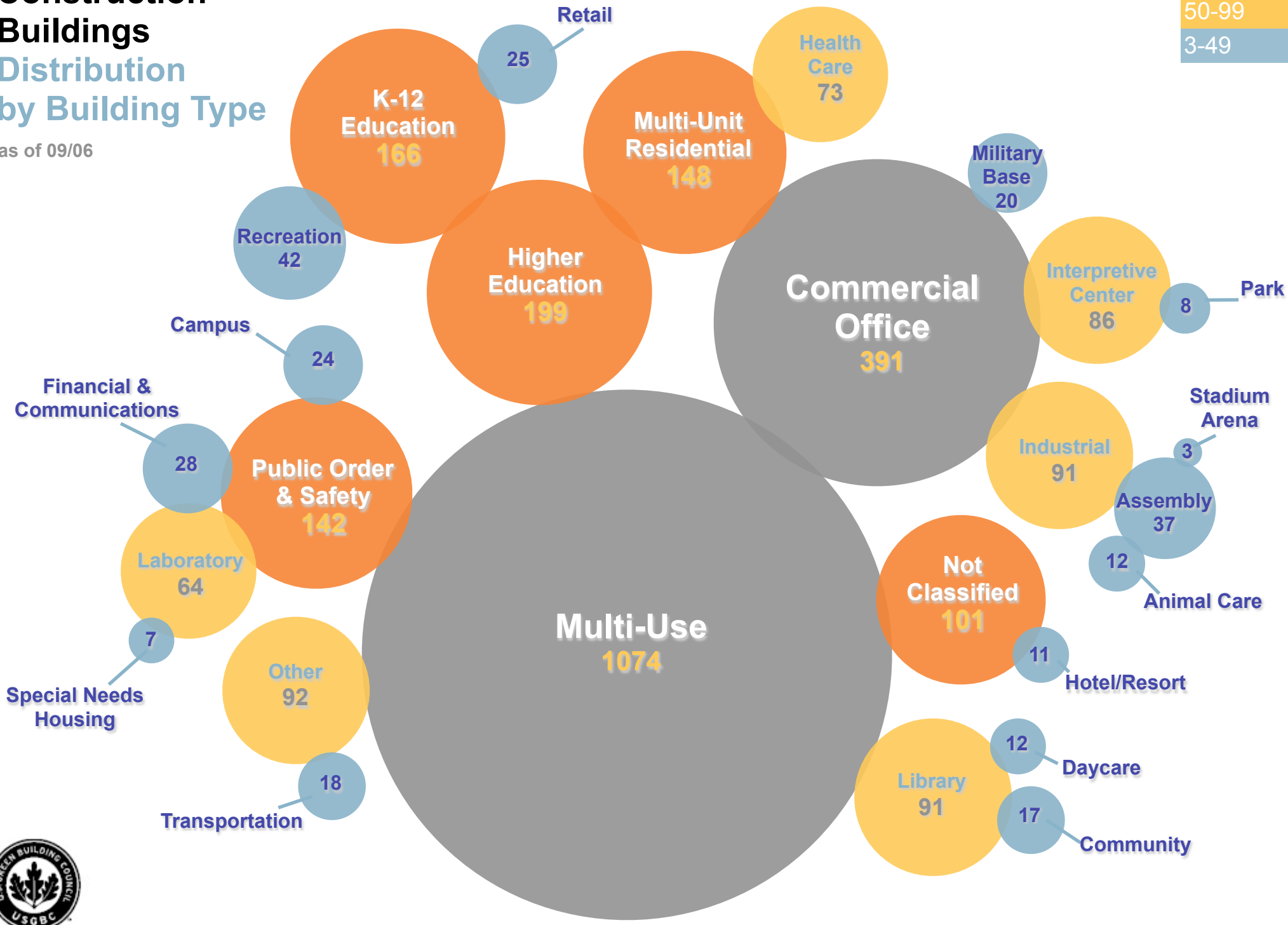
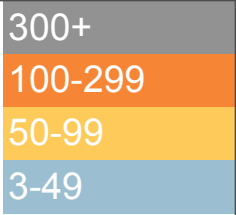
## Distribution by geography



# LEED for New Construction Buildings

## Distribution by Building Type

as of 09/06





**RE:VISION**  
COMPETITIONS FOR VISIONARY THINKERS

In January 2007, Archiventure launches the first in a series of idea competitions that explore ways of transforming disengaged communities into energetic, family-centered expressions of sustainable urban life.

> RE:VIEW



[urbanrevision.com](http://urbanrevision.com)

# GreenHomeGuide

*Unbiased reviews and advice from professionals and homeowners like you.*



know how



participate



green directory

# Greener Buildings

Produced by [GreenBiz.com](http://GreenBiz.com)

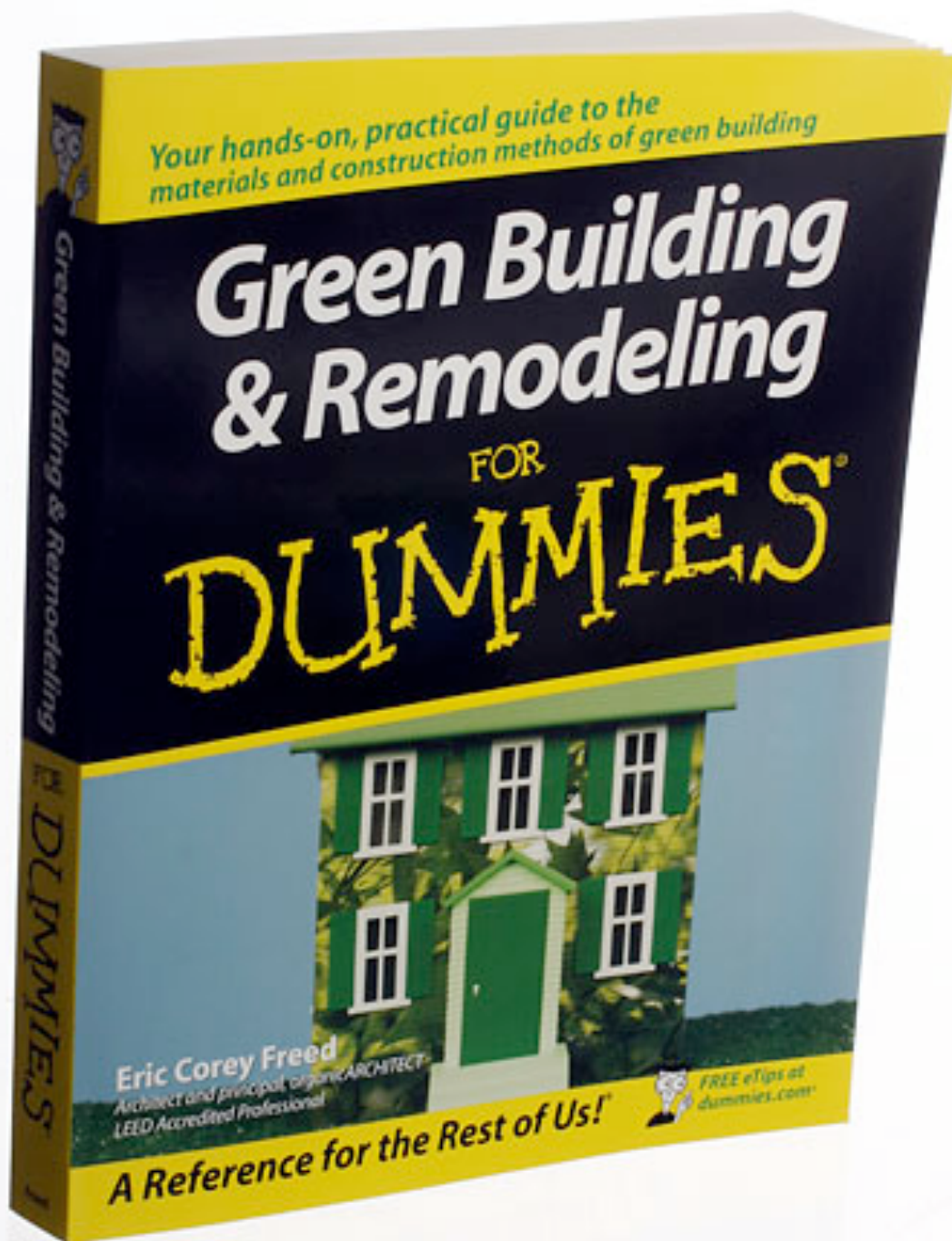


# west coast green

RESIDENTIAL BUILDING CONFERENCE + EXPO

November 06-08 2008 • San Francisco

[westcoastgreen.com](http://westcoastgreen.com)



Your hands-on, practical guide to the materials and construction methods of green building

# Green Building & Remodeling FOR DUMMIES<sup>®</sup>

**Eric Corey Freed**  
Architect and principal, organicARCHITECT  
LEED Accredited Professional

**A Reference for the Rest of Us!**

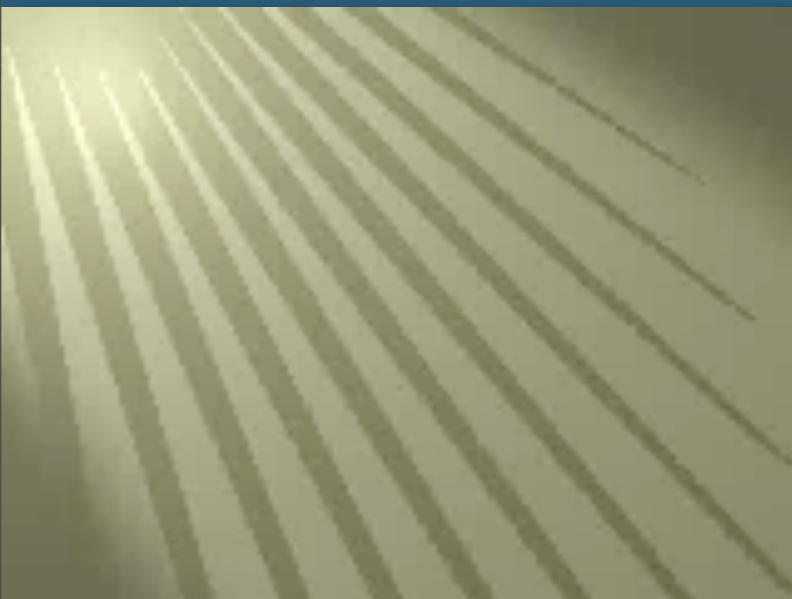
FREE eTips at  
dummies.com

[greenbuildingfordummies.com](http://greenbuildingfordummies.com)

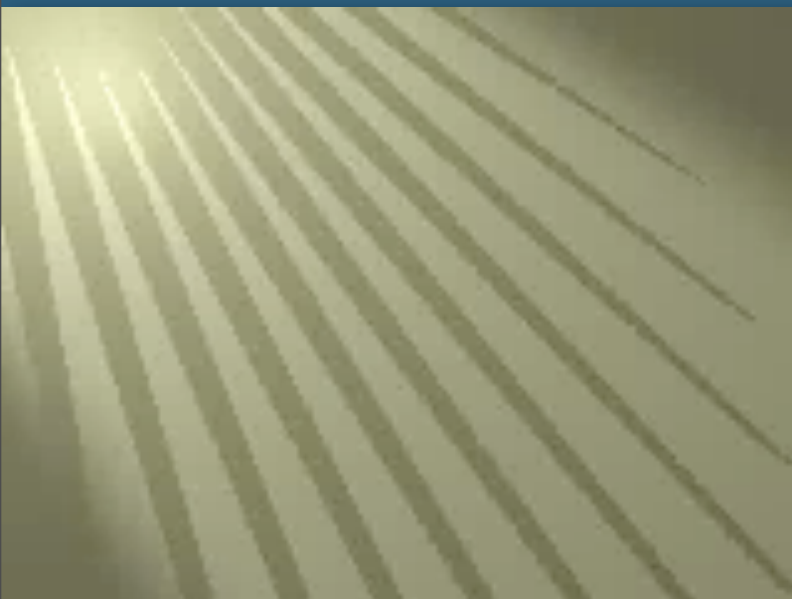
what's next:

5

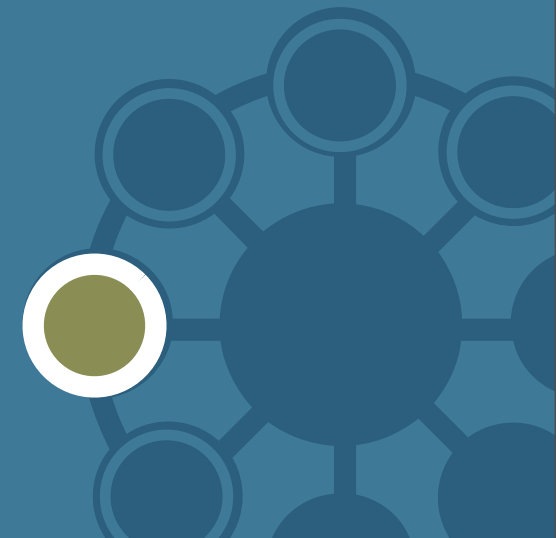
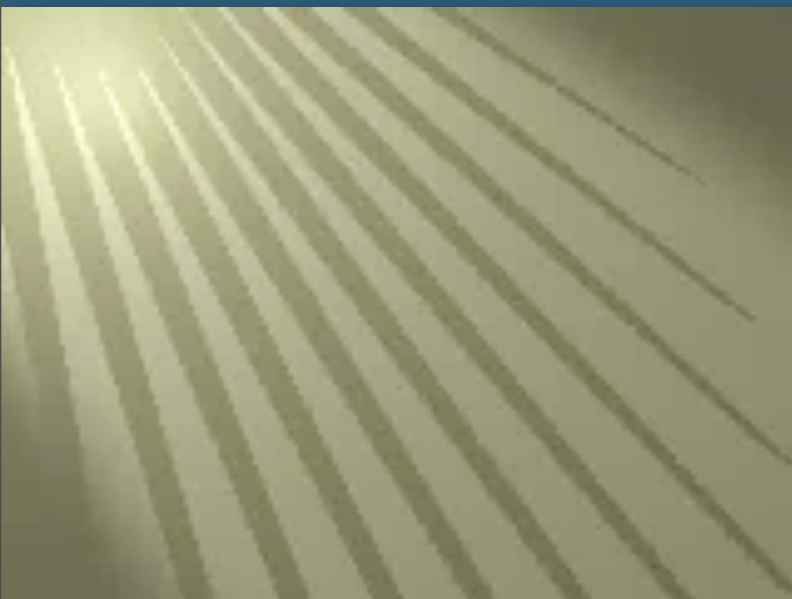
action steps



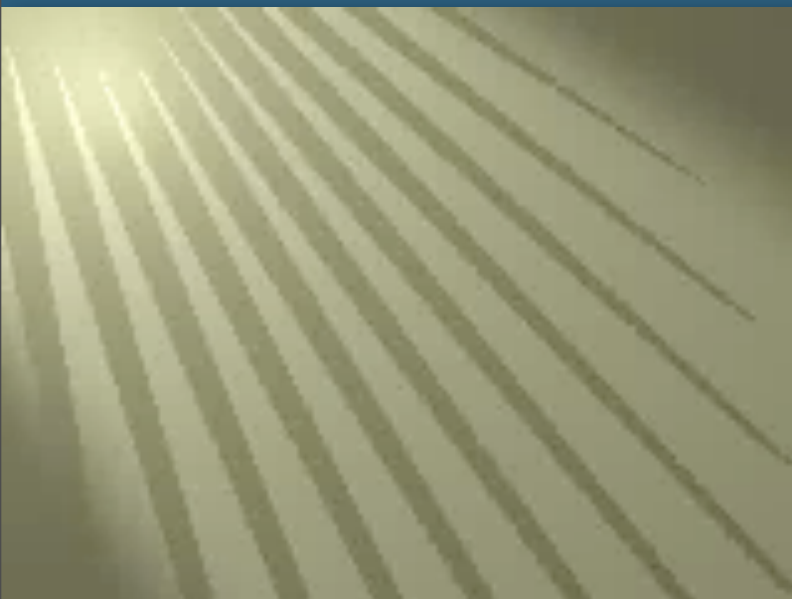
**1 opportunities:  
recycled content  
vegetable, not oil, based  
reduce mfg waste**



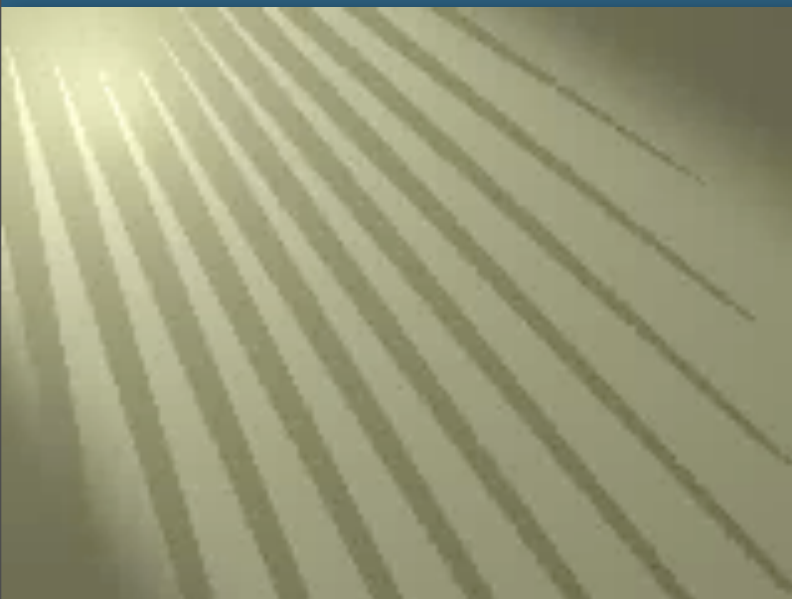
determine what  
**LEED** points your  
product contributes



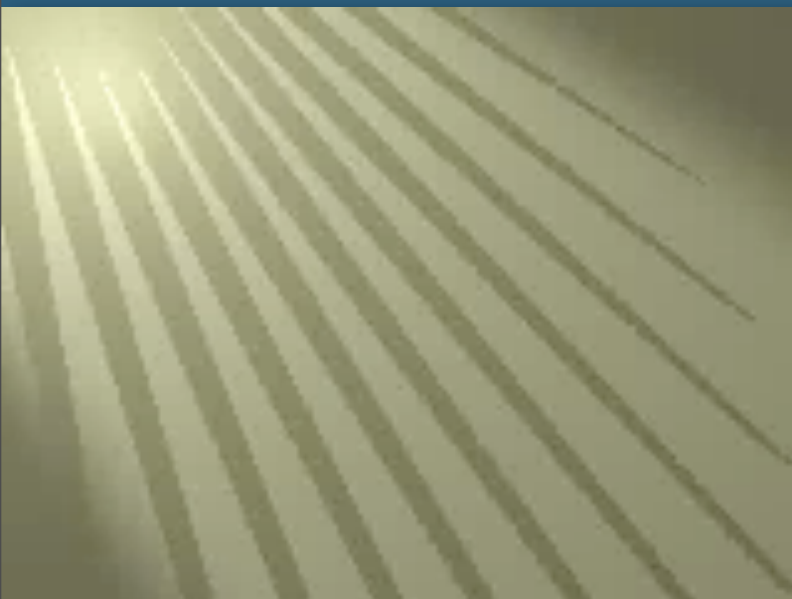
# 3 create solvent or VOC-free chemistry



# 4 make every roof a cool roof



**5** be honest and  
humble about your  
green features





“you must be the  
**CHANGE**  
you wish to see in the  
**WORLD...”**

-Mahatma Gandhi

DOWNLOAD THIS PRESENTATION:  
[organicarchitect.com/downloads/spri08.pdf](http://organicarchitect.com/downloads/spri08.pdf)

**QUESTIONS**



organic**architect**