ERIC COREY FREED

Principal, organicarchitect

over 17 years of experience in green building LEED Accredited Professional, US Green Building Council Author: "Green Building & Remodeling for Dummies" Author: "Sustainable Schools"; "Green\$ense for your Home" Founding Chair of Architecture: The San Francisco Design Museum Board of Directors: Architects/ Designers/ Planners for Social Responsibility Advisory Boards: Green Home Guide, Urban Re:Vision, West Coast Green Co-Founder, ecoTECTURE: The Online Journal of Ecological Design Syndicated Columnist, GreenerBuildings.com, Luxe Magazine Developer: Sustainable Design Curriculum Academy of Art University University of California Berkeley

415.474.7777 info@organicarchitect.com



Slides in this presentation may be used with proper credit for non-commercial use only.

Other uses require written permission

Sources are listed on each slide where relevant. Image sources are listed when available.

Copyright ©2008-9 organicARCHITECT Inc.

organicarchitect

CONNECT:

facebook. Linked in twitter

DOWNLOAD THIS PRESENTATION:

organicarchitect.com/downloads/fall08.pdf

ERIC COREY FREED

"Greensest Metalinenies" The State of California Berkeley



YOUR VISION OF GREEN

TIME TO DO SOMETHING

"SENTIMENT without action is the ruin of the SOUL."

-Edward Abbey

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

AL REPORT GLOBAL WARMING

ECIAL REPORT

RIED. RIED.

11

isn't some vague w it affects you, you **TENS YOUR HEALTH** INDIA CAN HELP RED-OR DESTROY IT

THREAT THAN RORISM: OBAL WARMING How much of New York, Washington, and other

American cities will be underwater?

PLUS

SPECIAL GREEN SSU E

GEORGE CLOONEY, JULIA ROBERTS, ROBERT F. KENNEDY JR., AND AL GORE A NEW AMERICAN REVOLUTION

EXCLUSIVE BOOK EXCERPT! THE BOSTON STRANGLER WITH DEATH BY SEBASTIAN JUNGER

VA

Dr. Bush's R for Health Care

THE DANGER MOVES **CLOSER TO**







WATER	ENERGY	MATERIALS	I A Q	SITING	COMMUNITY
		EMS			DNS



FROZEN





AMERICAN

10



STUBES

EXECELVERE OIL



T

- I

SI1

COMMUNIT

-73

-

a leaky faucet losing OIE CIOO a second

loses

52

of water a month









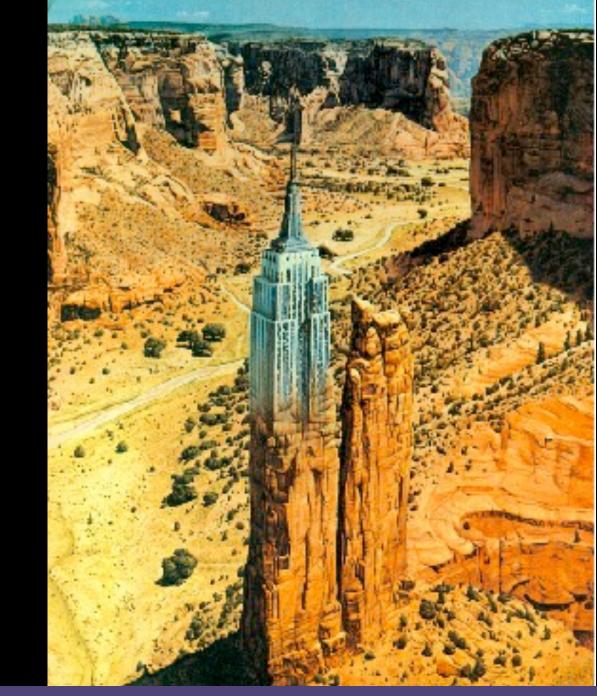


ENERGY

MATERIALS

IAQ

COMM



bleak future: WATER









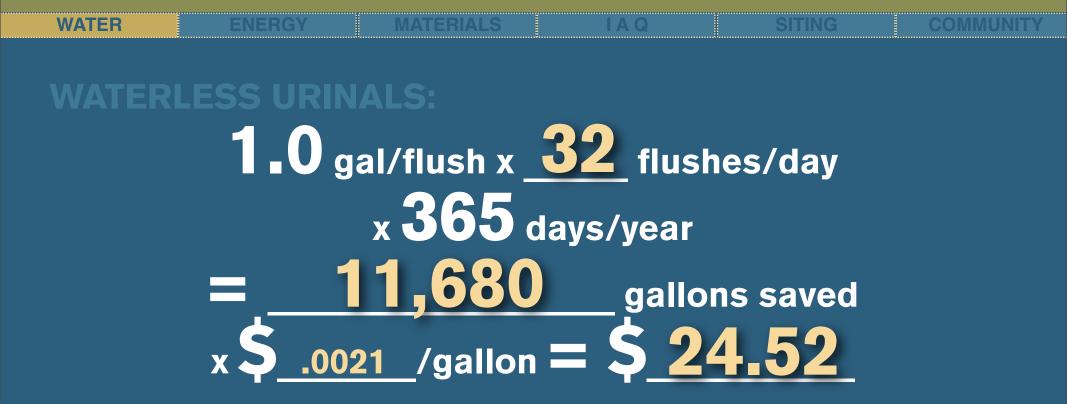


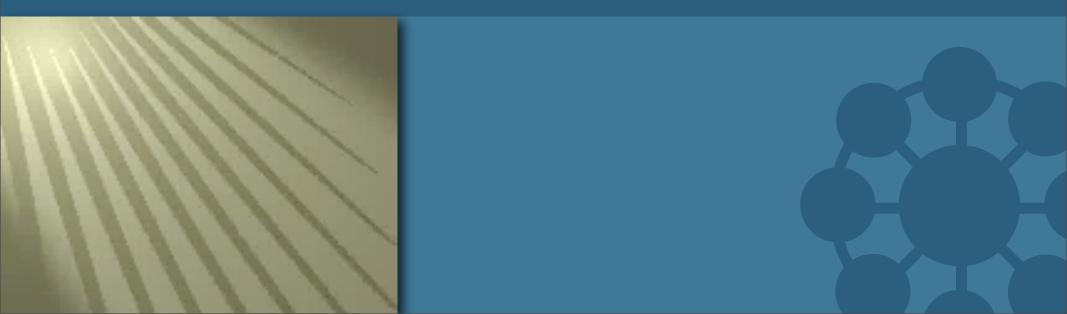
brondell.com



Union Issues 3 year ROI Same price

falconwaterfree.com



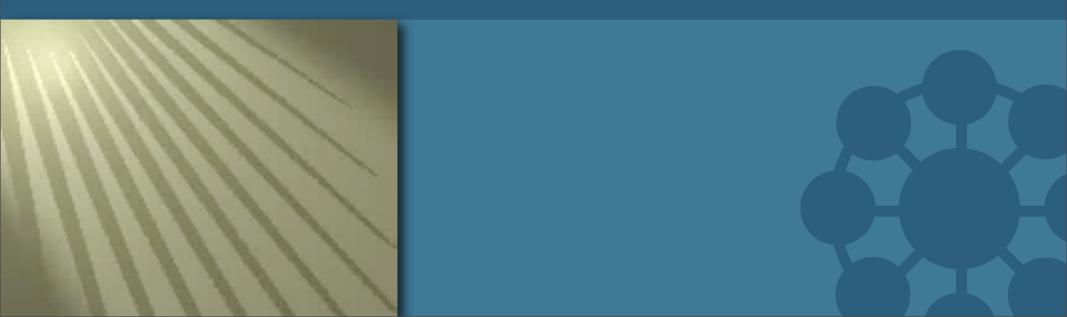


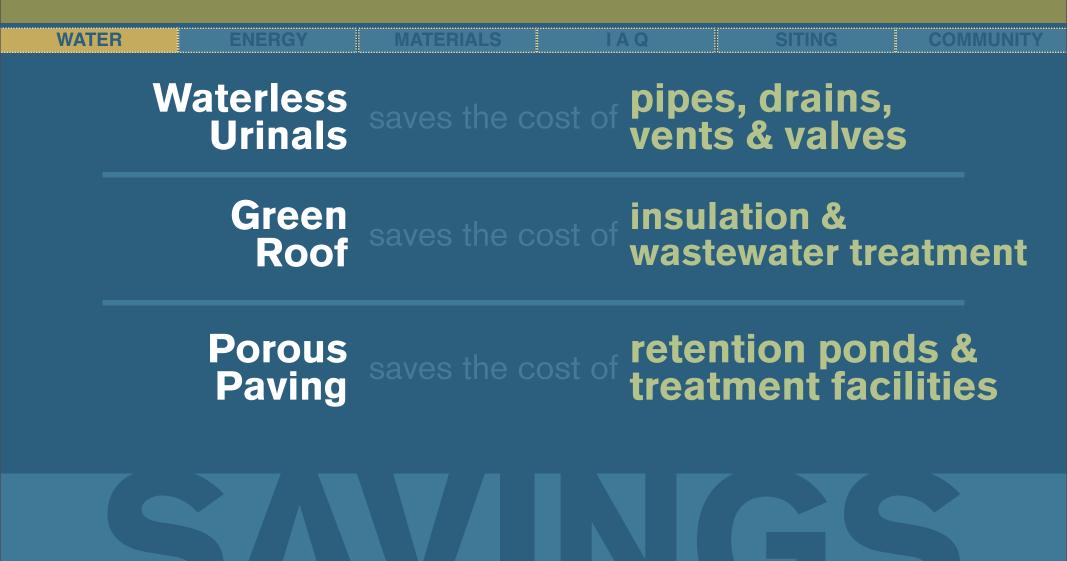




water energy materials ind sting commuted water catchment: 1000sf = 6322 gal/in

$= \underbrace{21}_{\text{inches per year}}$ x <u>632</u> gallons = <u>13,000</u> gallons/year





ENERGY

ATERIALS

IA

COMMUNIT

00



bright future: WATER



ENERGY

IATERIALS

ΙΑ

SIT

COMMUNITY



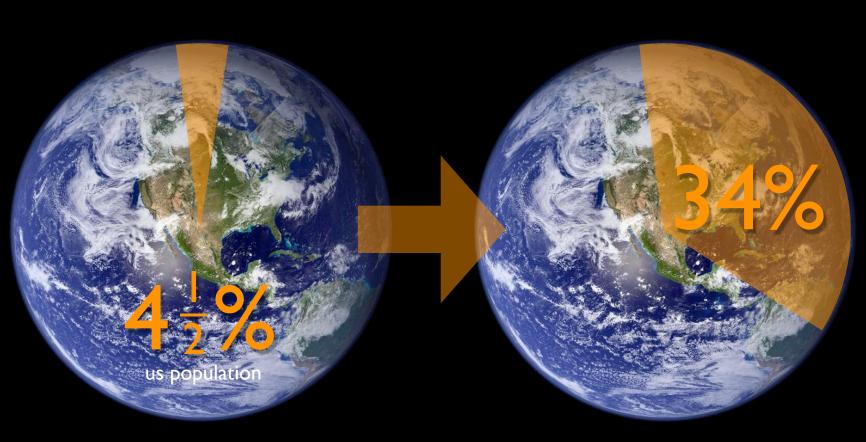




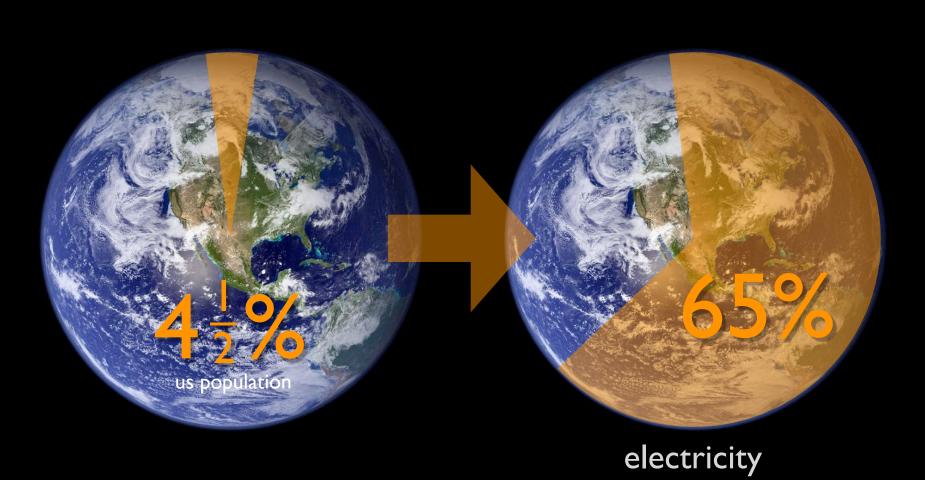




COMMUNITY

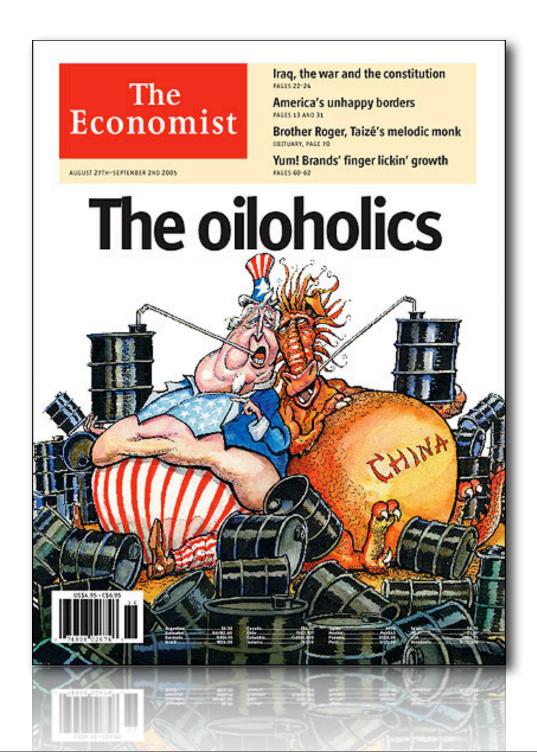


energy use





greenhouse gas emissions









÷ barrels per day oarrels oer day 2,181,0 Der 2,000,000 wasted in un-insulated homes

ENERGY

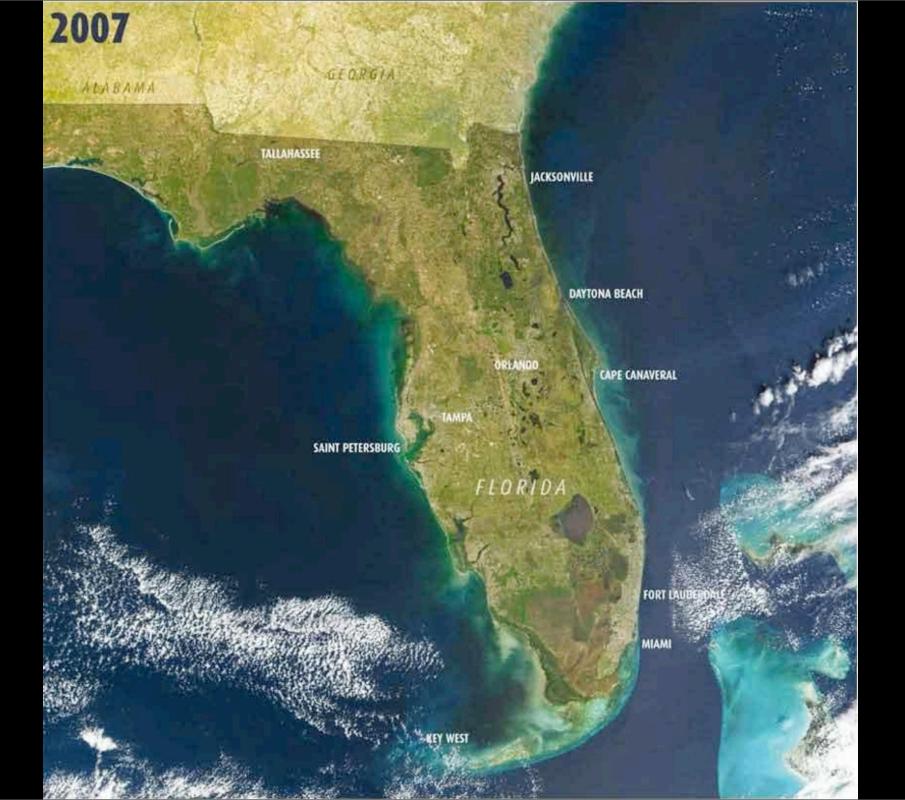
COST OF WAR

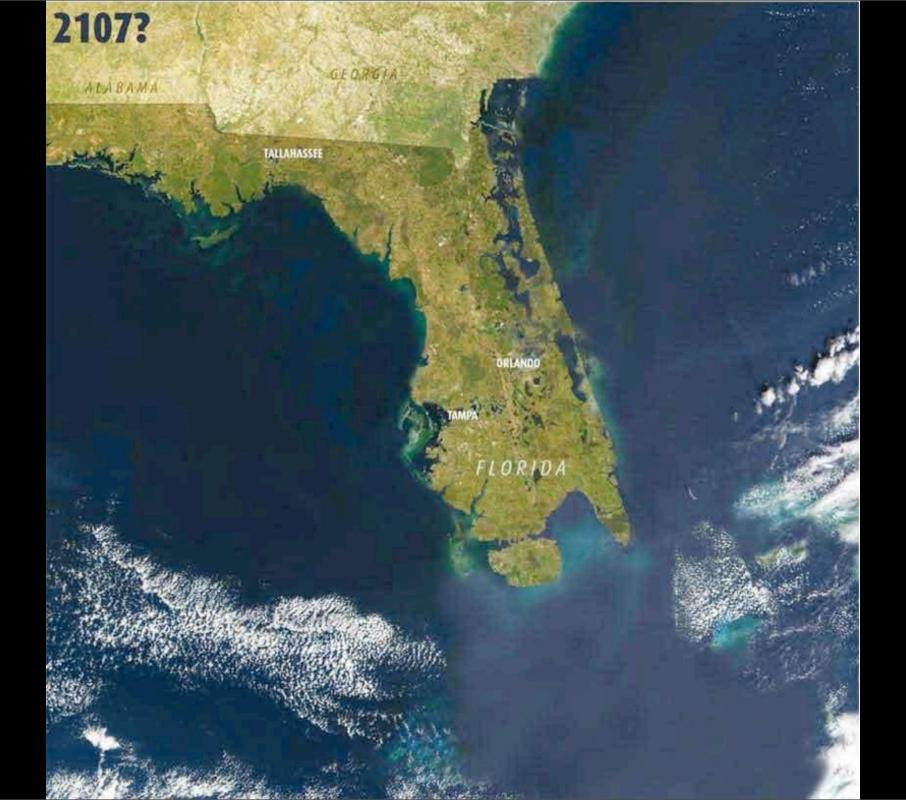






climate. is changing •





WATER

ENERGY

IATERIALS

- I

COMMUNIT



NO EXIT

Andy Singer



For a better start in life start COLA earlier!

- Promotes Active Lifestyle!

Boosts Personality!

ENERGY

How soon is too soon?

Not soon enough. Laboratory tests over the last few years have proven that babies who start drinking soda during that . Gives body essential supars! early formative period have a much higher chance of gaining acceptance and "fitting in" during those awkward pre-teen and teen years. So, do yourself a favor. Do your child a favor. Start them on a strict regimen of sodas and other sugary carbonated beverages right now, for a lifetime of guaranteed happiness.

The Soda Pop Board of America 1515 W. Hart Ave. - Chicago , ILL.

ENERGY



More Doctors smoke Camels THAN ANY OTHER CIGARETTE!

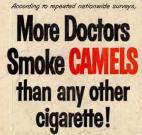
States and states and states and

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

<text><text><text><text><text><text>

CAMEL - COSTLIER TOBACCOS





Doctors in every branch of medicine were asked, "What igarette do you smoke?" The brand nas ned most was Camel!



For 30 days, test Camels in your"T-Zone" (TforThroat, TforTaste).









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.

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





Text Comels

in your "T-Zone" () POS THEO. 1 POR 14470

wanted a cigarette with rich flavor that agreed with my throat. Carnels have a wonderfu flavor and the mildness



MILLIONS MUST AGREE - BECAUSE CAMEL LEADS ALL OTHER BRANDS



"I've made those mildness tests you've read about-my choice is

N. A. S. AST IN

ENERGY

respond

strates

stewhow

ee!



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.

- wetlands will expand in areas where meltwater resulting from deeper and longer thaw k14 2)15 periods does not have a natural drainage path to the ocean.
- 10 Stor /16
- Warming will also cause reductions in mountain glaciers and advance the timing of the melt 17
- of mountain snow packs in polar regions. In turn, runoff rates will change and flood 18
- potential will be altered in ways that are currently not well understood. There will be 19
- 20 significant shifts in the seasonality of runoff that will have serious impacts on native*
- populations that rely on fishing and hunting for their livelihood. These changes will be 21
- further complicated by shifts in precipitation regimes and a possible intensification and 22
- increased frequency of extreme hydrologie events. Reducing the uncertainties in current 23
- understanding of the relationships between climate change and Arctic hydrology is critical 24

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

the next, and perhaps even beyond. 019 The challenge for the USGCRP is to provide the best possible scientific basis for documenting, ---020 Aiognosing, and projecting changes in the Earth's life-support systems, and the role for CCRI is to facilitate full use of this scientific information in policy and decisionmaking on response strategies 021 022 for adaptation and mitigation at the international, national, and regional scales Vy pous ille 023 024 reduce the significant 025 From "Discovery" to "Comparative Analysis" 026 Because of the scientific accomplishments of USGCRP and other research programs during the last decade, a period that could be termed a productive "period of discovery and characterization," associated with 1 027 028 is succed 029 climate 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 and than compares the potential consequences of different responses to global changes, including climate change, will be developed in a form useful to national debate and decisionmaking. This 032 033

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.



WATER

COMMUNITY



WE THE PEOPLE

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

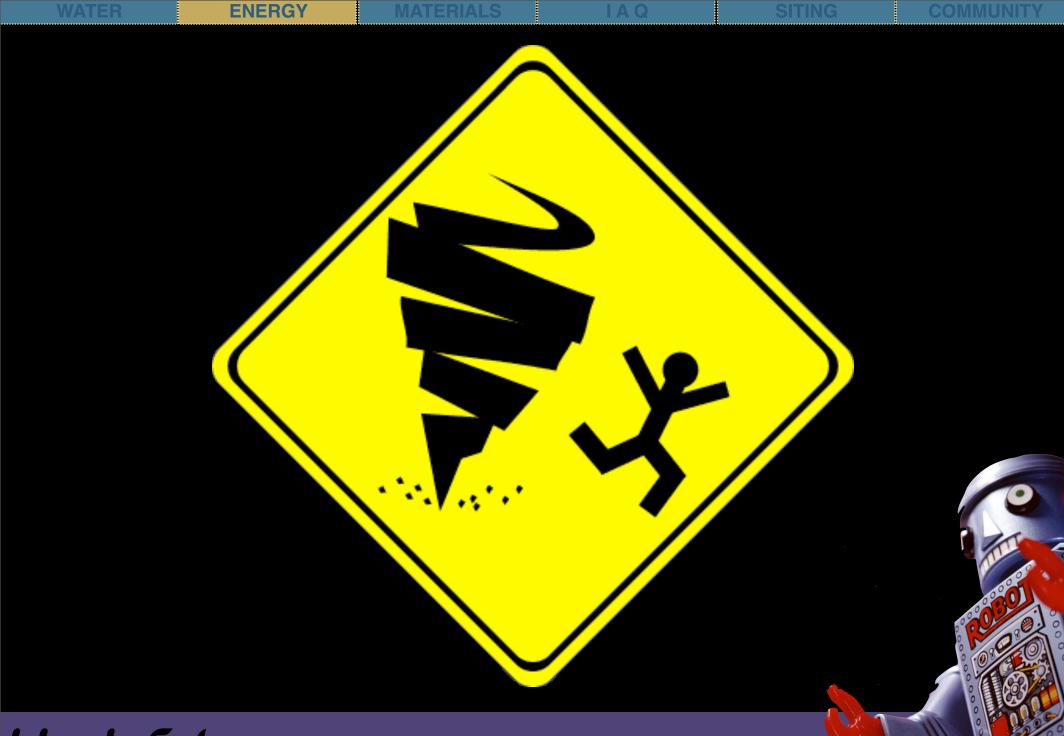
> > **BILL O'REILLY**

Talk Show Host, Fox News

THE BOY AND HIS FAMILY'S INTENTIONS

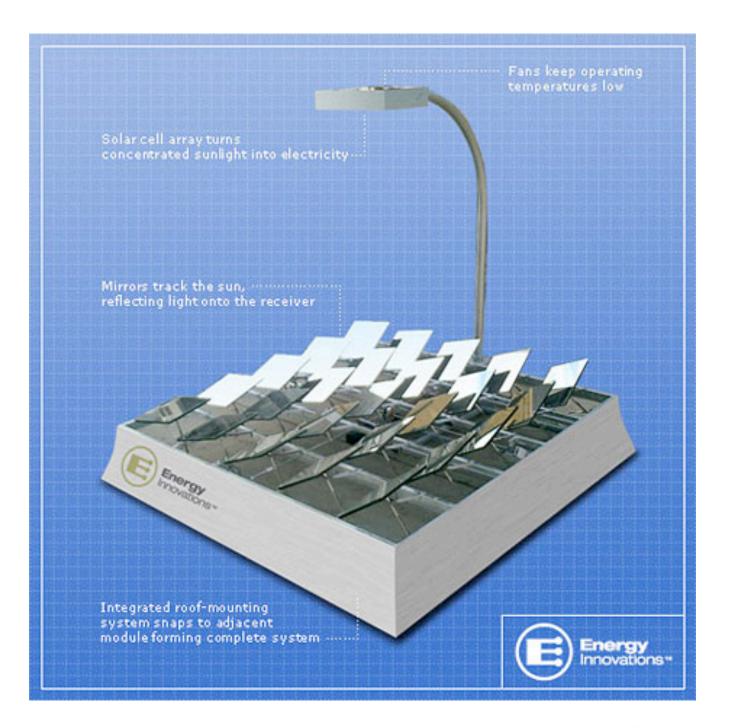
"alarmist reports..." "extortion by environmentalists..."

MYRON EBELL Director, Competitive Enterprise Institute



bleak future: ENERGY

COMMUNITY



energyinnovations.com





ΙΑ



stormbladeturbine.com

WATER EN	NERGY	MATERIALS	IAQ	SITING	COMMUNITY





ecosmartfire.com





savings on ENERG

\$

6500

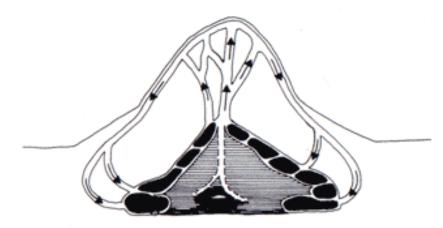




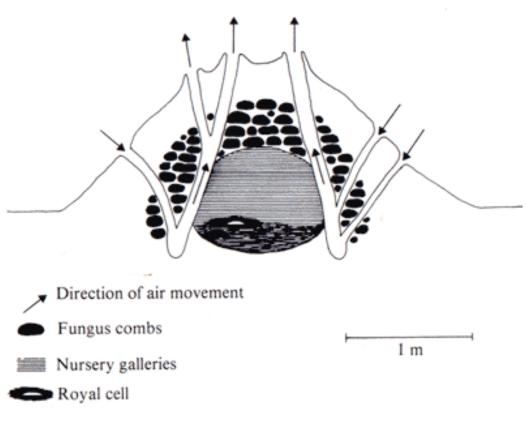
IATERIALS

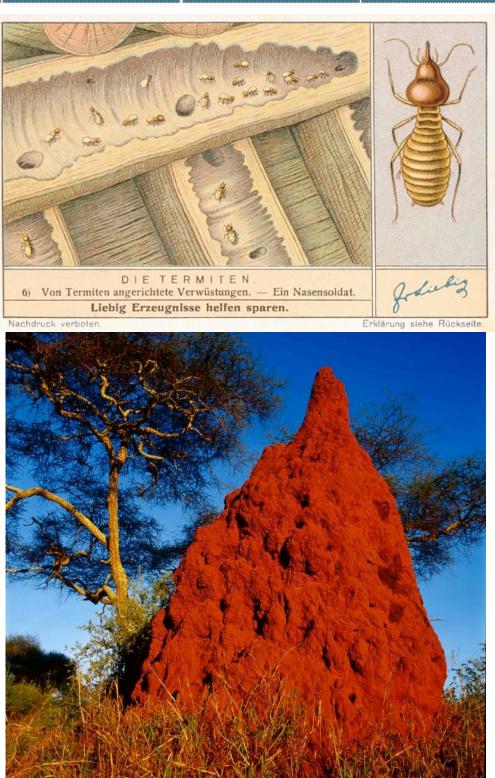
COMMUN

A. Macrotermes michaelseni

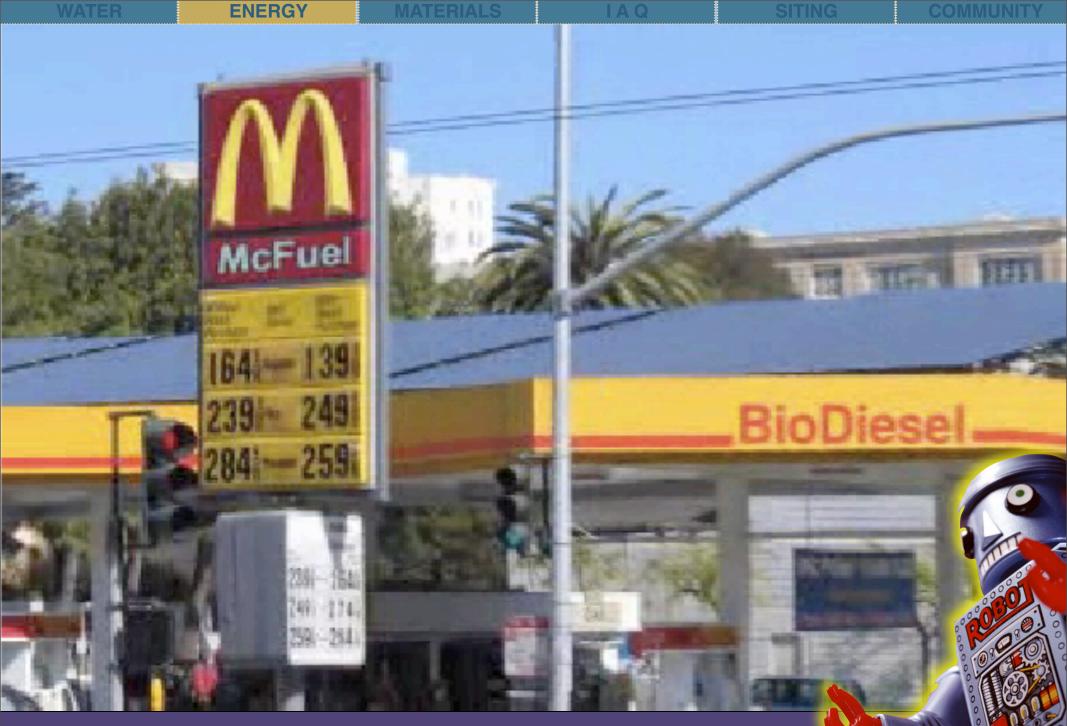


B. Macrotermes subhyalinus









bright future: ENERGY

ENE

Y N

MATERIALS

SITING

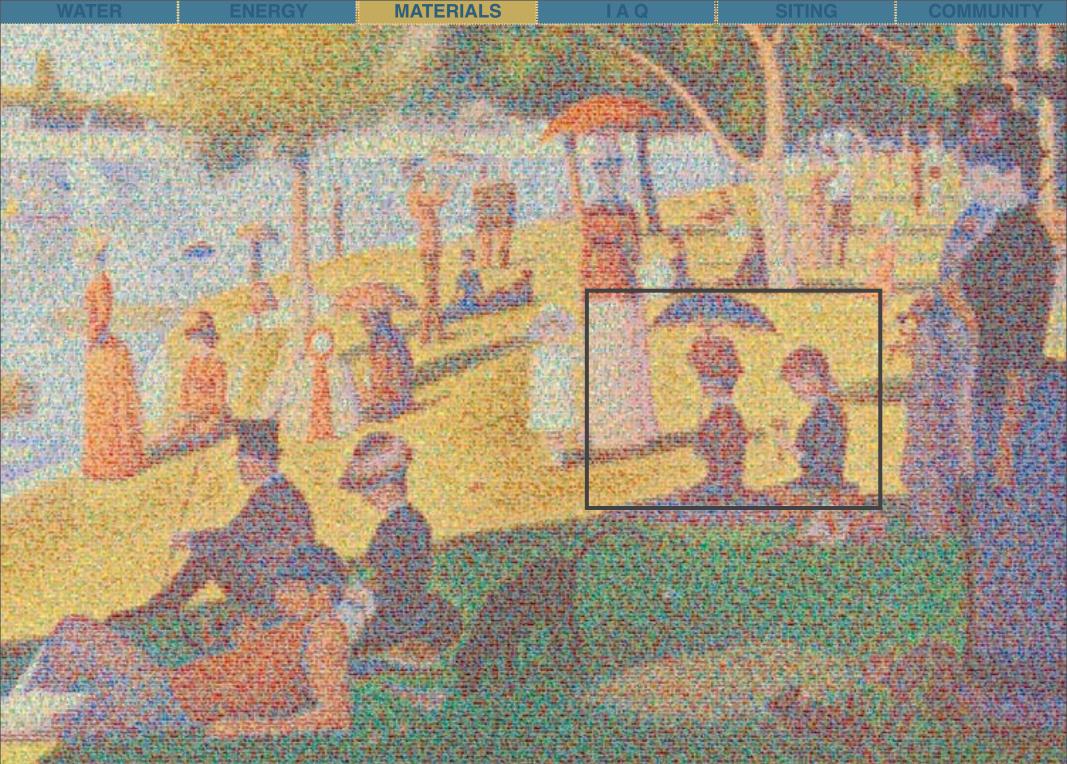
COMMUNITY

NILDERNESS

2

30 NORTH AMERICA

28th AFRICA



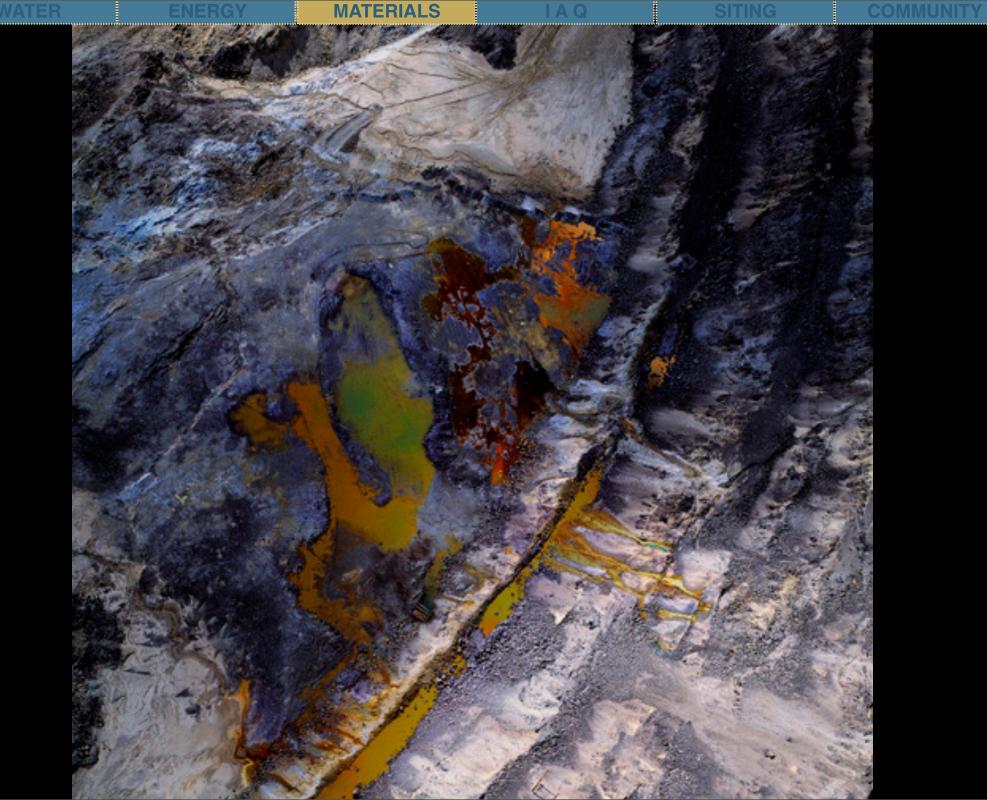
chrisjordan.com



106,000 vg CONSUMED EVERY 30 vg

100 00

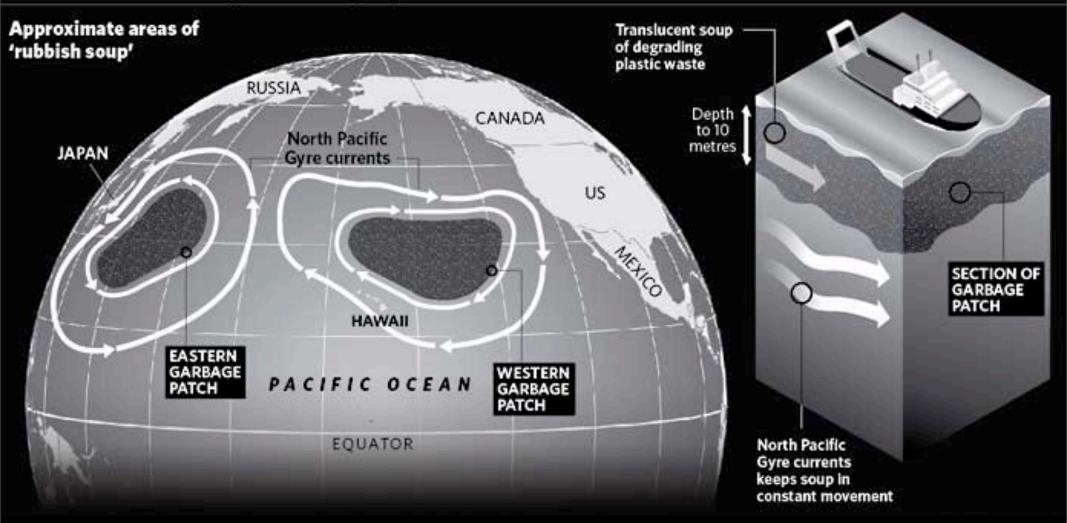




WATER	ENERGY	MATERIALS	IAQ	SITING	COMMUNITY

Out of sight, out of mind

The continent-sized vortex of plastic waste blighting the Pacific



MATERIALS the size of Texas

Pacific Gyre GARBAGE PATCH



WATER

ENERGY

MATERIALS

_____I

COMMUNITY



buildings of the world CONSUME

40% of the world's energy & materials





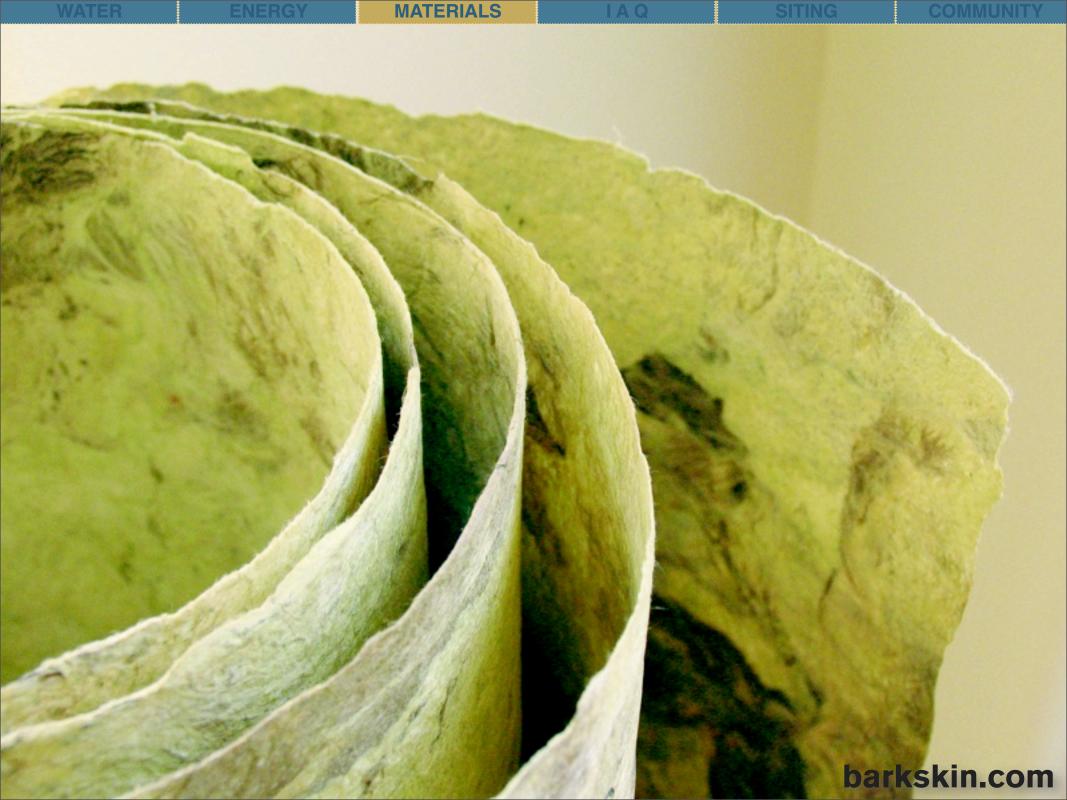


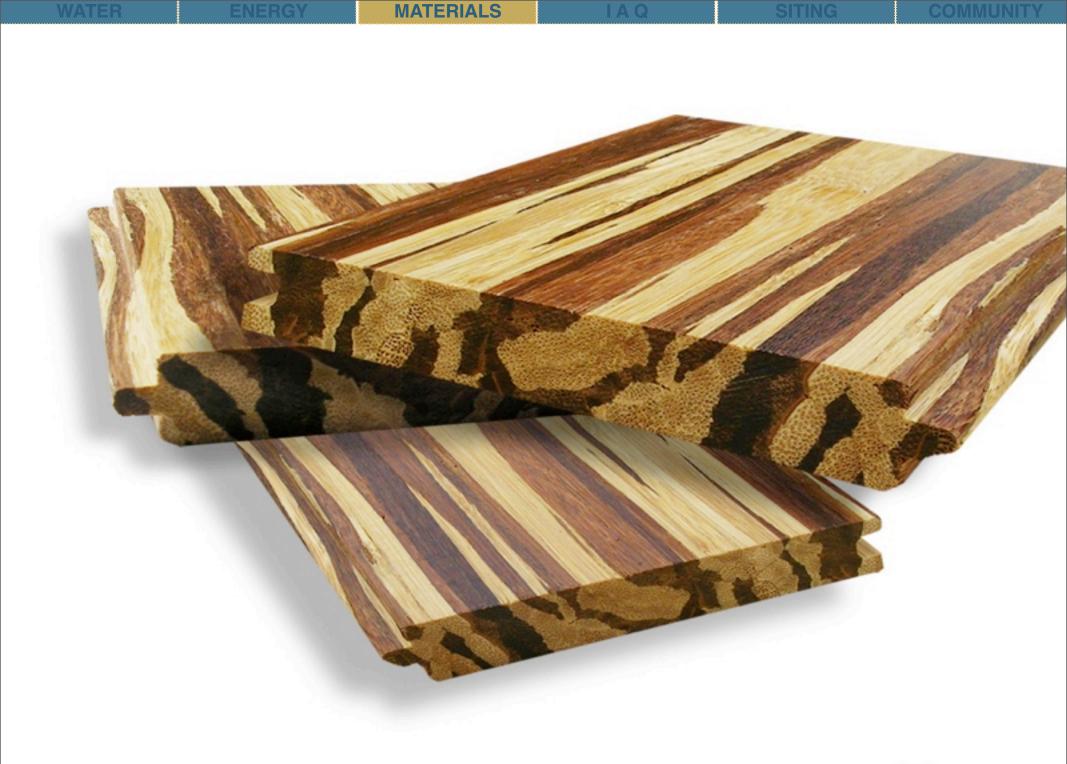
CALIFORNIA COASTAL CLEANUP DA September 17th • 9am-noon CALIFORNIA COASTAL CLEANUP September 17th · 9am-noon

Non-Native Species of the California Coast

Cola Bass

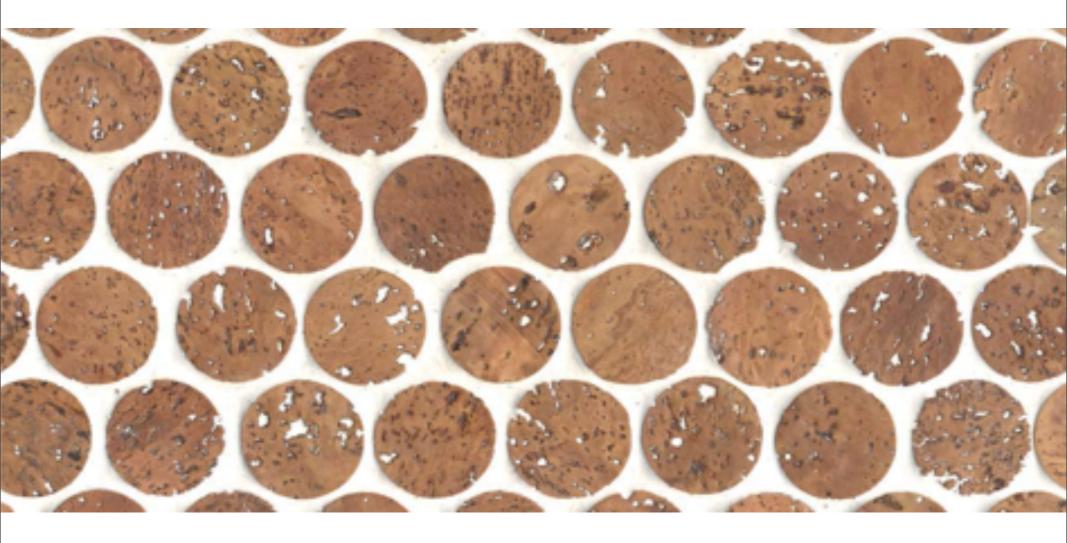
bleak future: MATERIALS



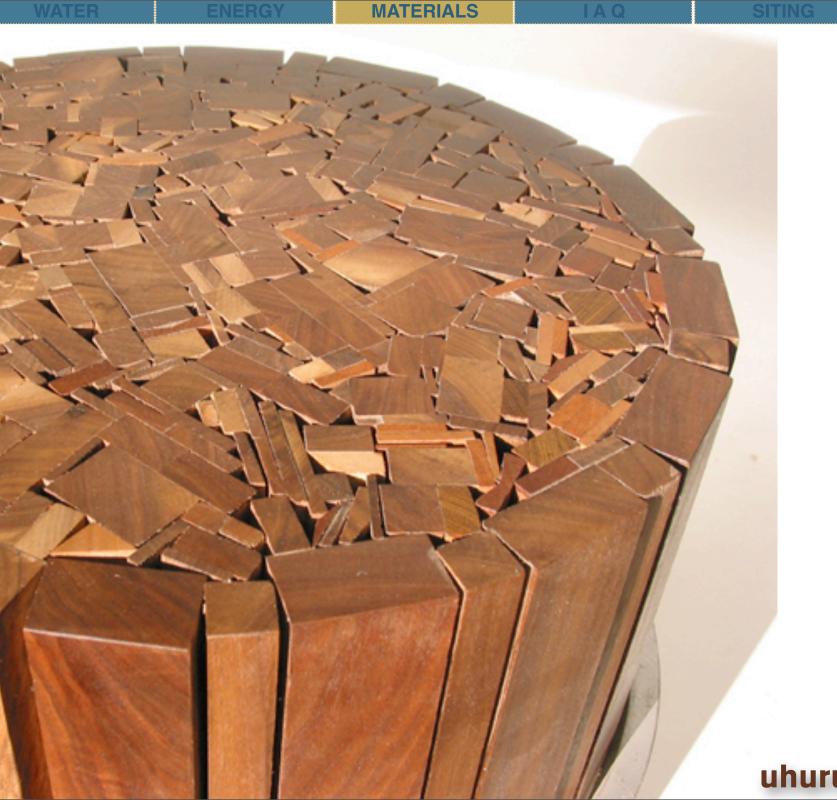


plyboo.com

WATER	ENERGY	MATERIALS	I A Q	SITING	COMMUNITY







uhurudesign.com



COMMUNIT



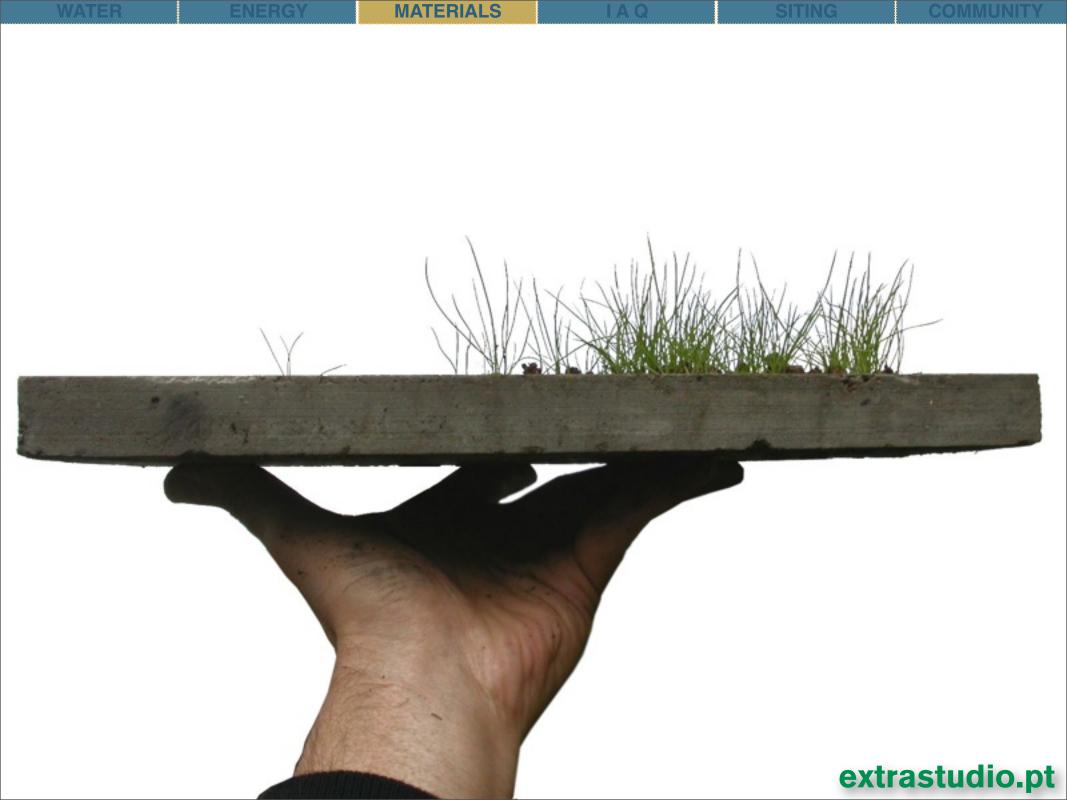
modulararts.com

WATER

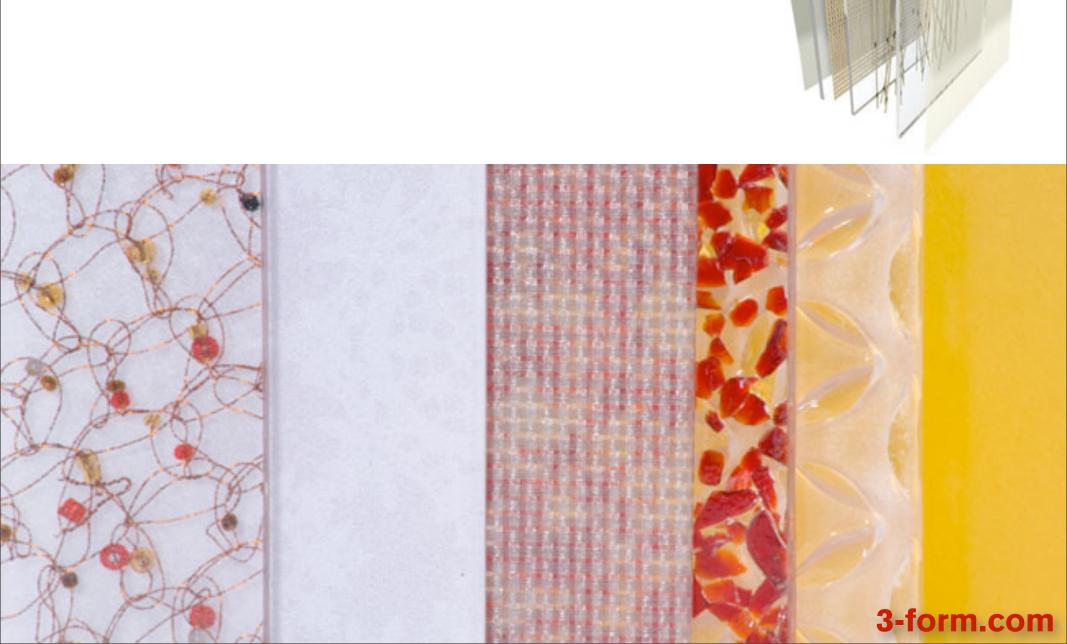
COMMUNITY



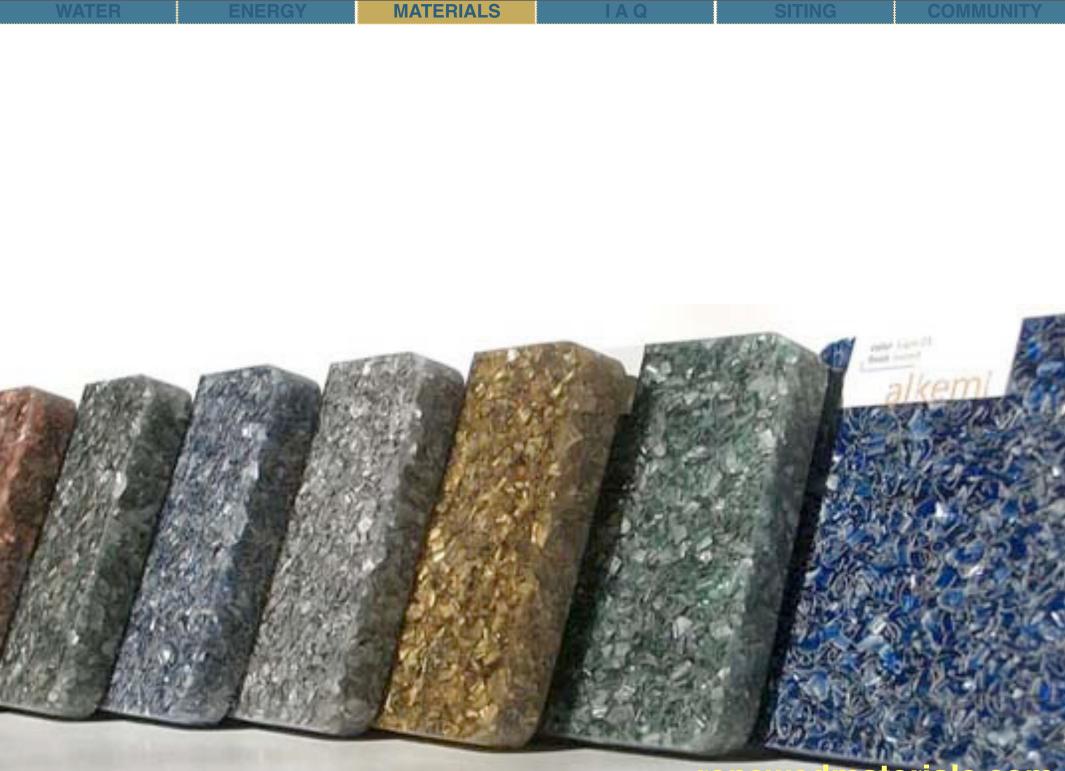
mioculture.com





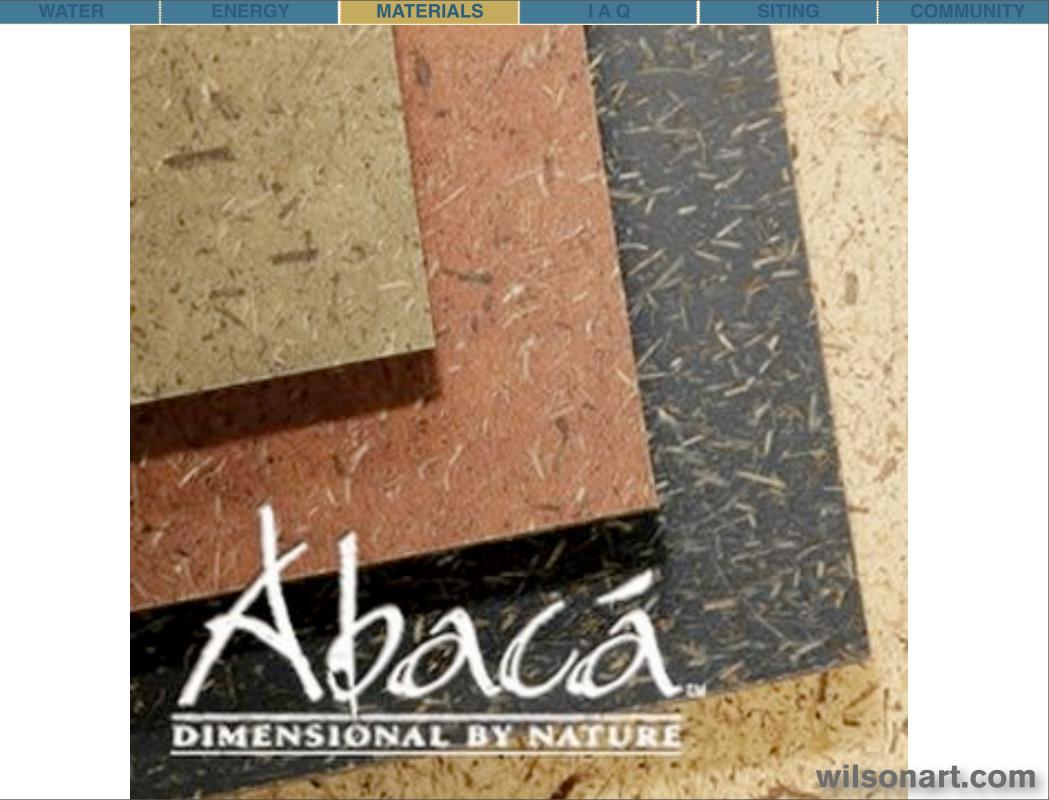


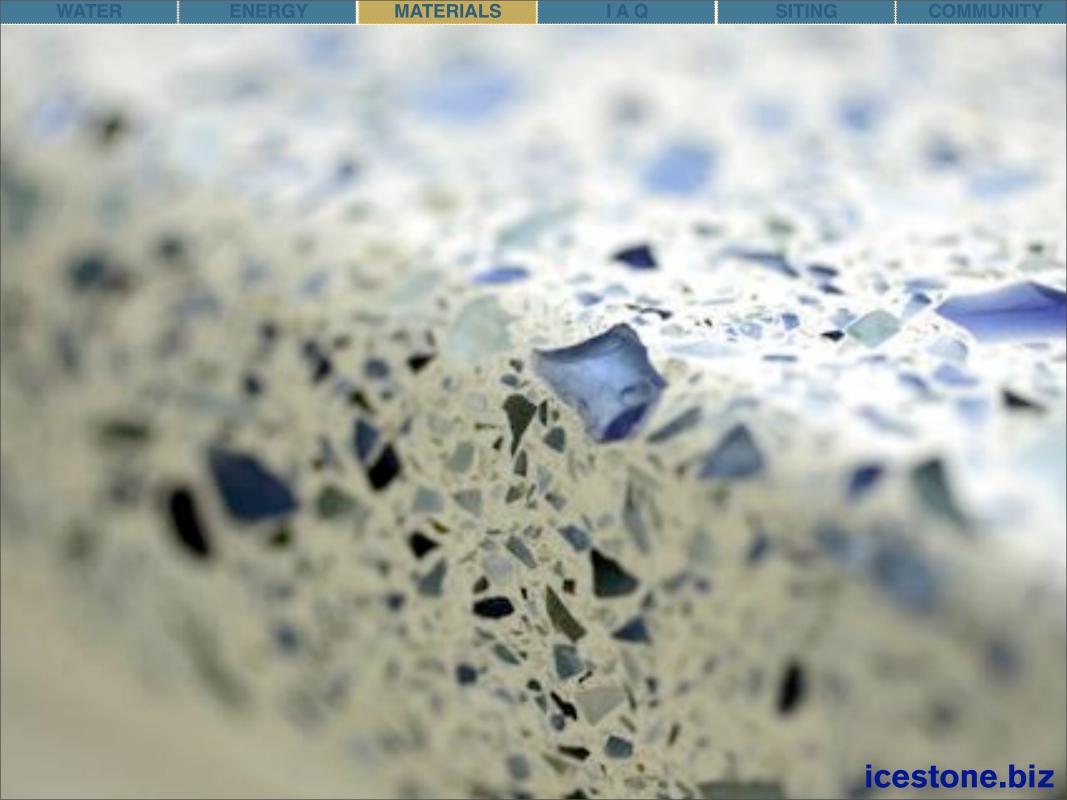
MATERIALS



renewedmaterials.com

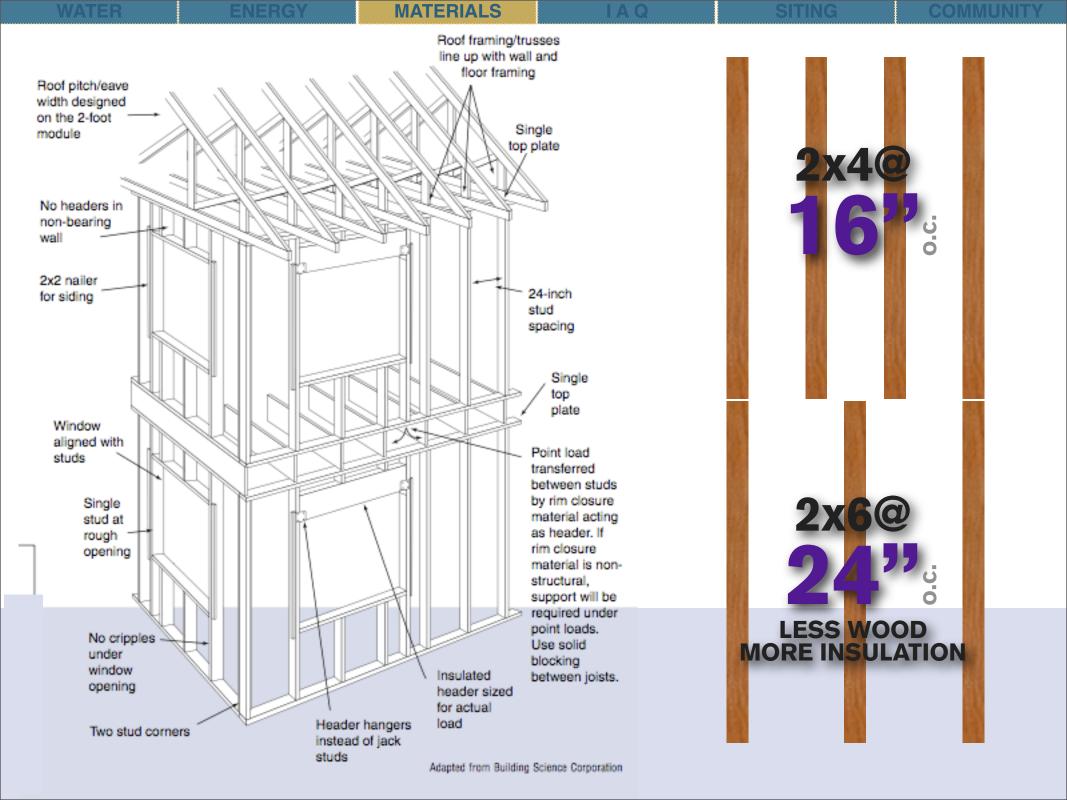












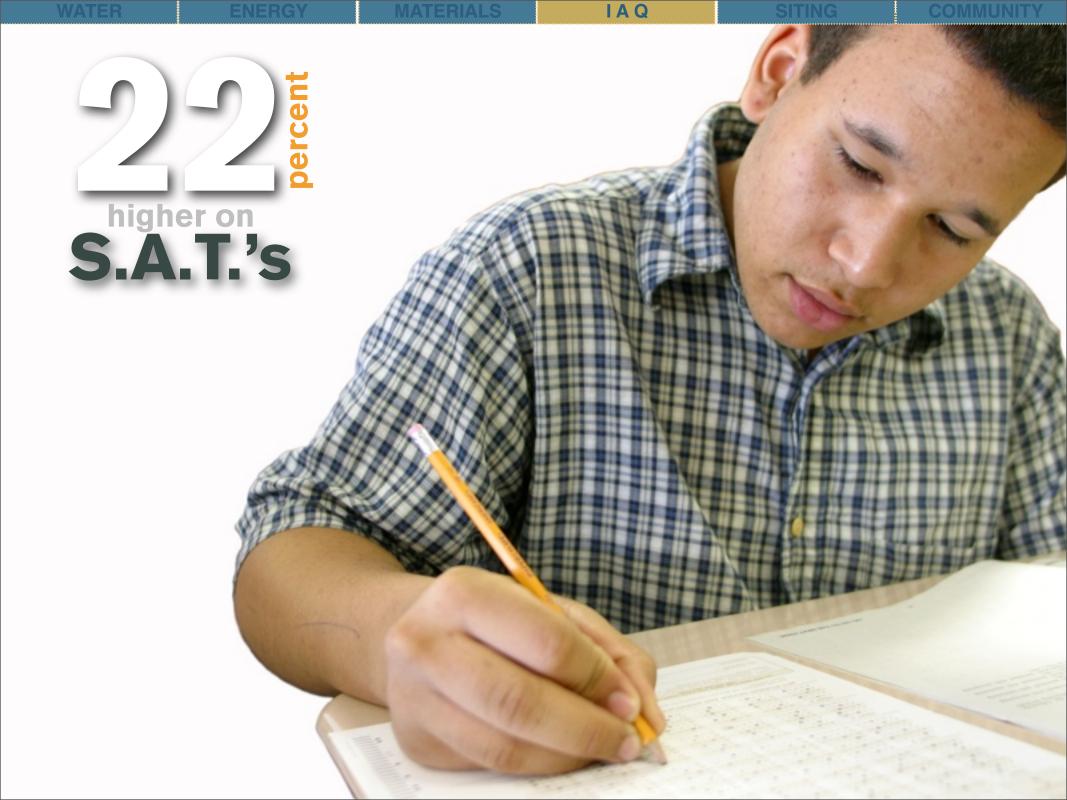




bright future: MATERIALS







ENERGY

TERIALS

I A Q

AT HOME IN THE MODERN WORLD

Design Like You Give a Damn Flooring With a Conscience

Green Goes Mainstream Sustainable Homes of Tomorrow, Today

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

🛞 Wild 🗰 Sept



September 2006 \$4.99 U.S. / \$6.99 Canada

> Tree Houses Grow Up

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.

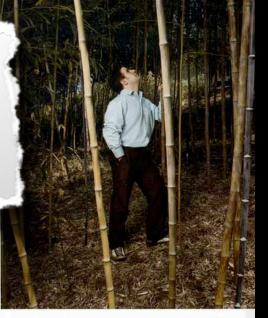
It's a familiar scenario. You're standing in the check-

t line at the supermarket watching your goods trundle wn the belt toward the cash register when suddenly e checkout clerk asks, "Paper or plastic?" and you're ck: Do you contribute to worldwide deforestation

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.

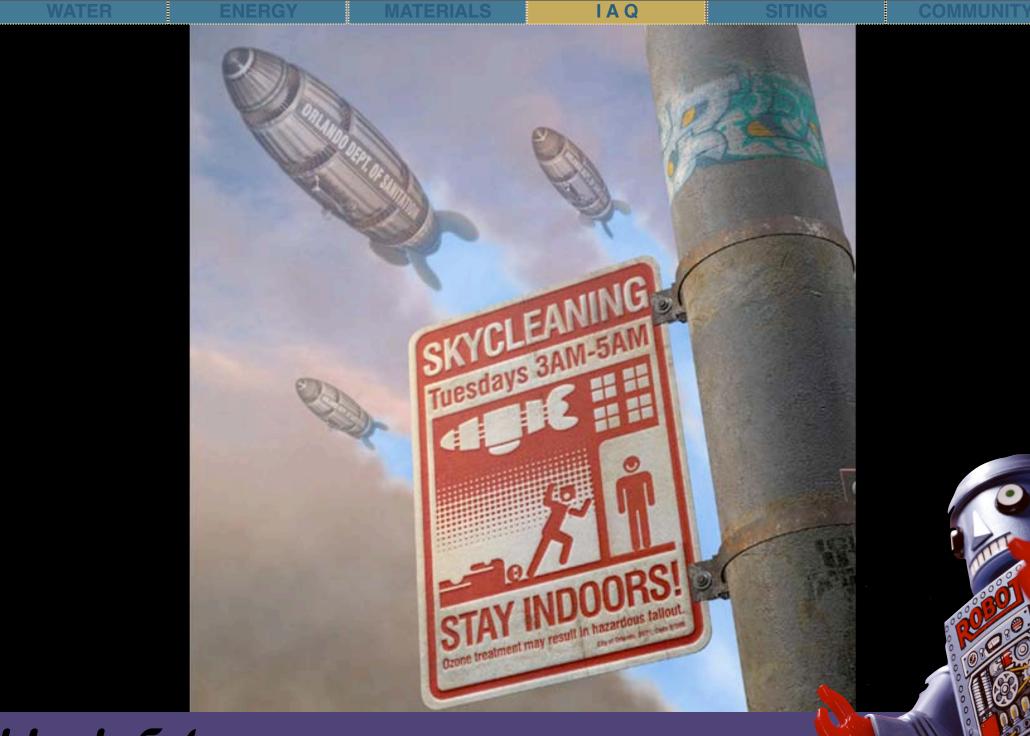
Portrait by Noah Webb

A hole on Gur Expert: Eric Gory Freed, principal of San Francisco-based firm organicARCHITECT, design houses that incorporate sustainability as a matter of course. "I'm not saying, "Oh, Mother Earth is dying, place help the butterfiles"—because no one would respond to that," he says of his approach to design. "Forme, sustainability is always a very logical, common-sense thing." Why fill a hone with toxic materials, ou are naterials that host economics or cultures? It just seems stifty. Inspired by holistic predecessors such as Bruce Goff and Frank Lloyd Wright, Freed spreads his green gospel through various college classes, numerous publications, and a menthly "ask the expert" columo on the Greener Buildings website, www.greenerbuildings.com



September 2006 Dwell 95





00

bleak future: AIR QUALITY

IAQ bondedlogic.com



IAQ

SITING

COMMUNITY





IERGY

TERIALS

IAQ

COMMUNIT







healthybuilding.net

VATER

ENERGY

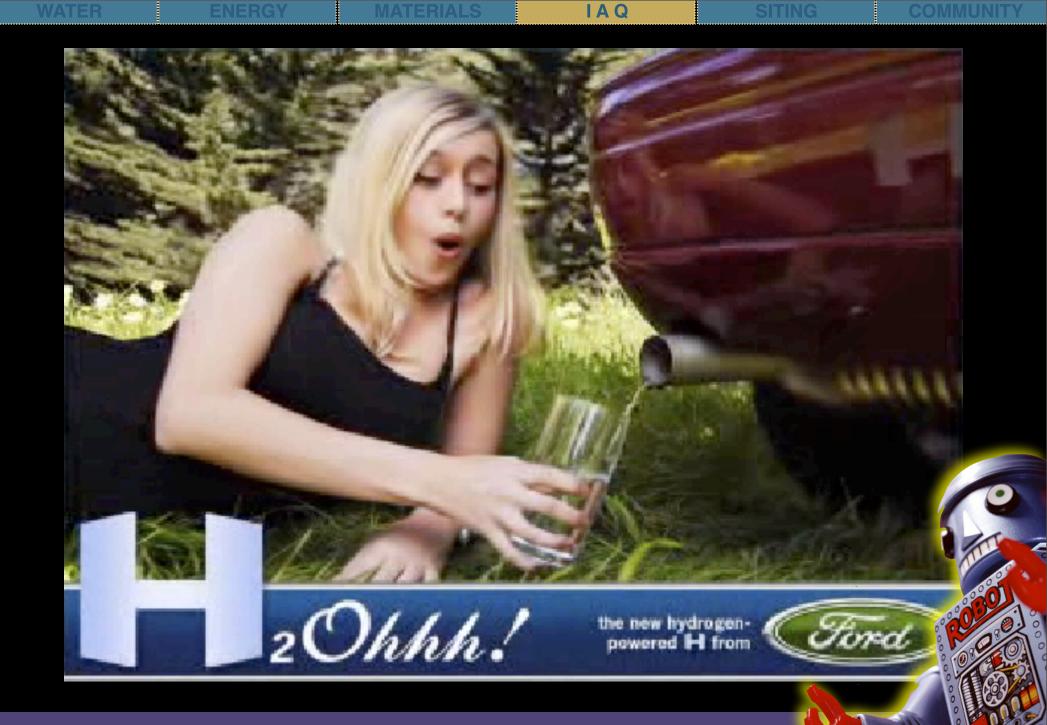
IATERIALS

IAQ

2

COMMUN





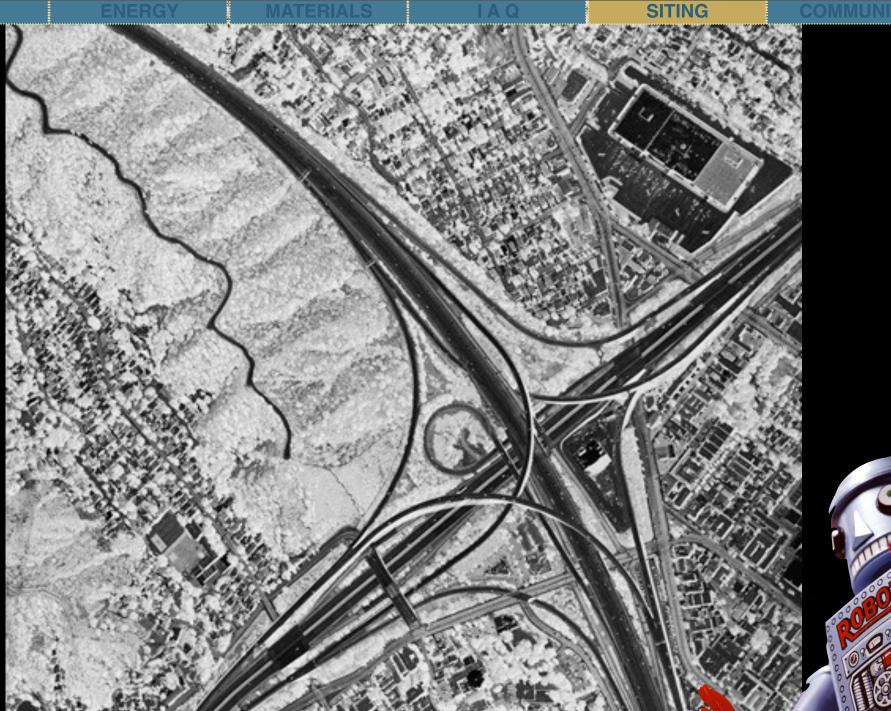
bright future: AIR QUALITY



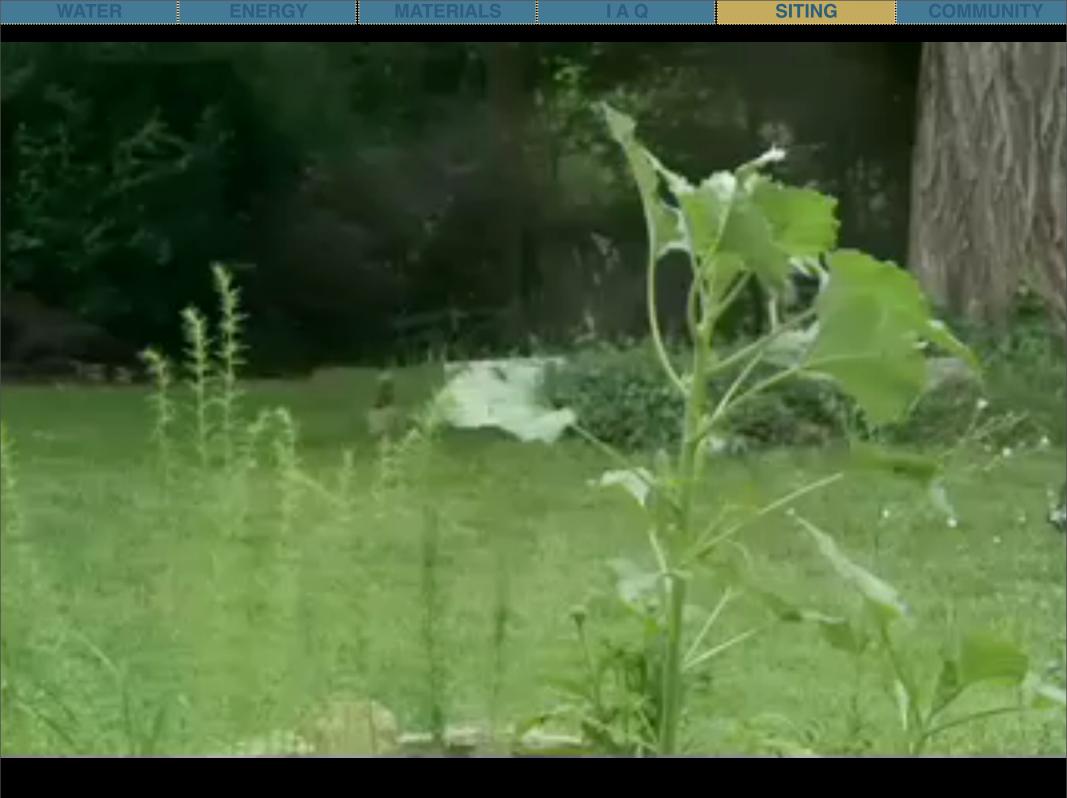


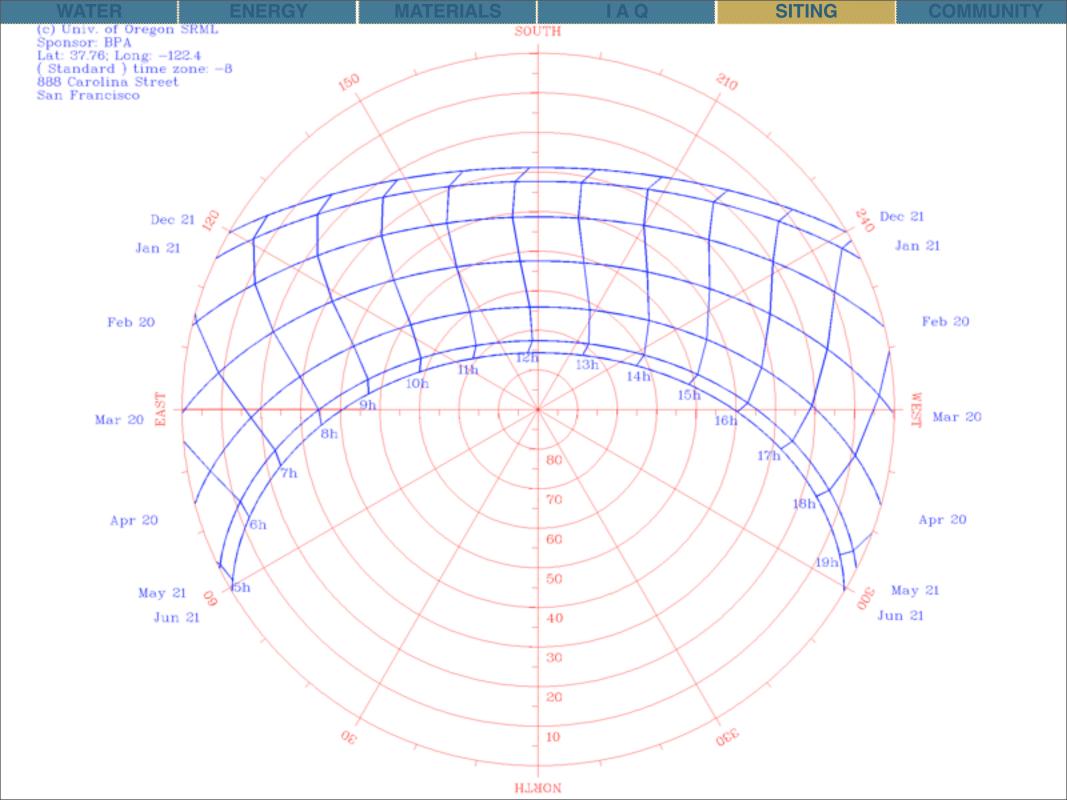


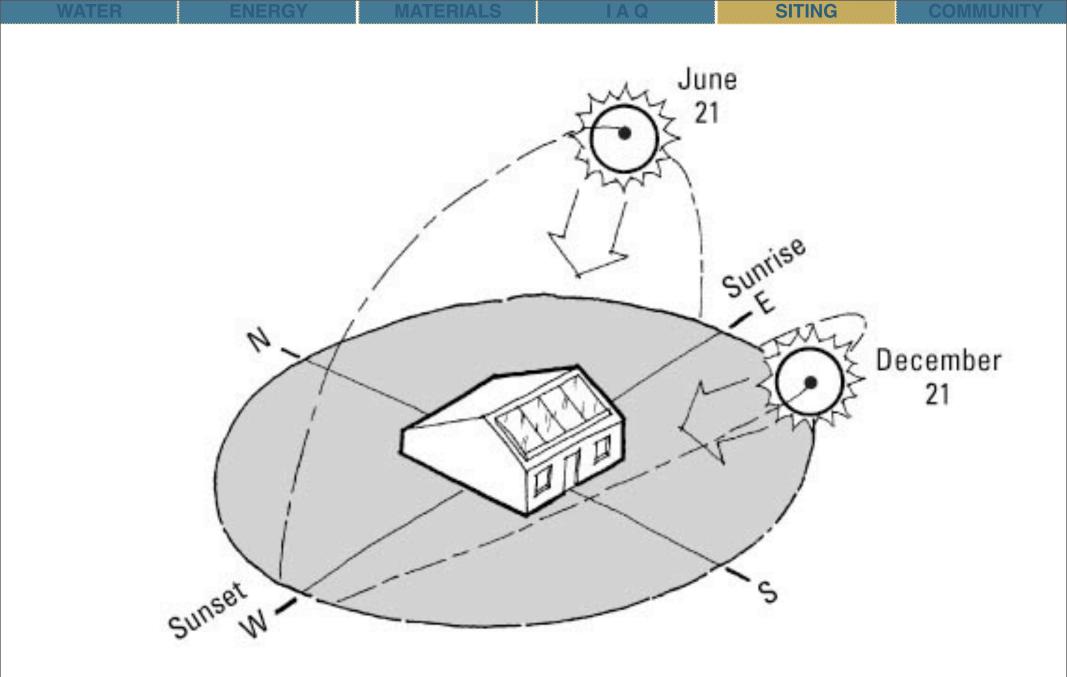


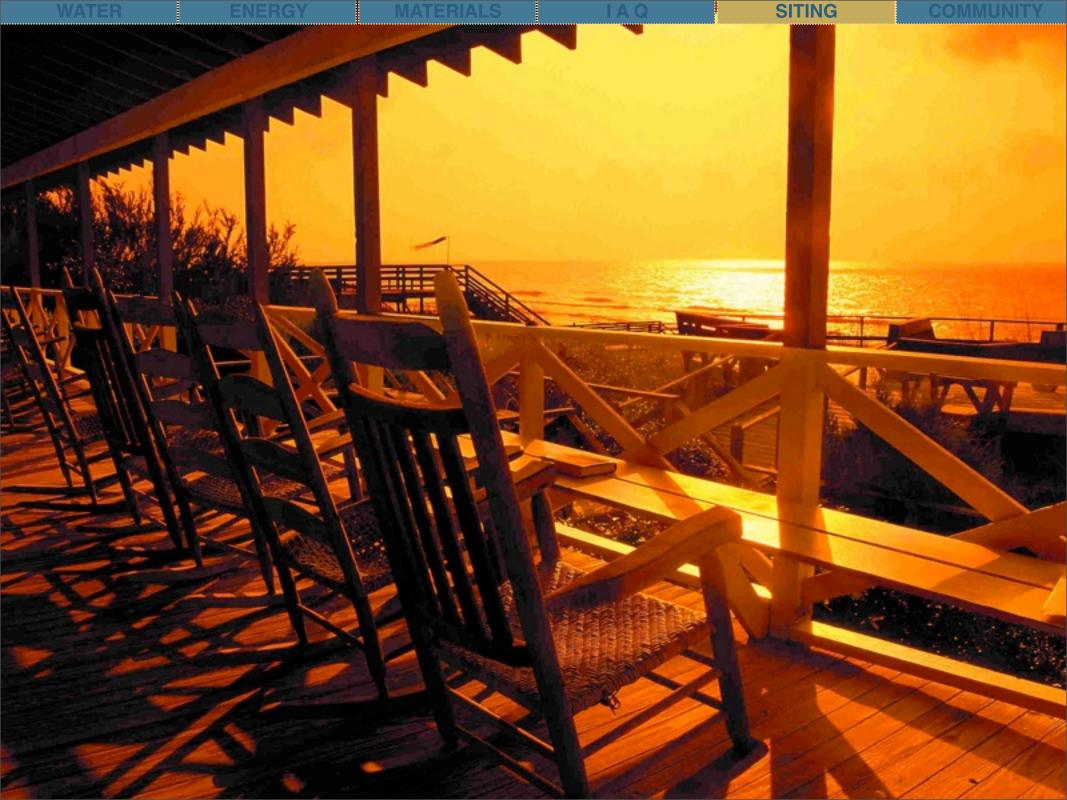


bleak future: siting

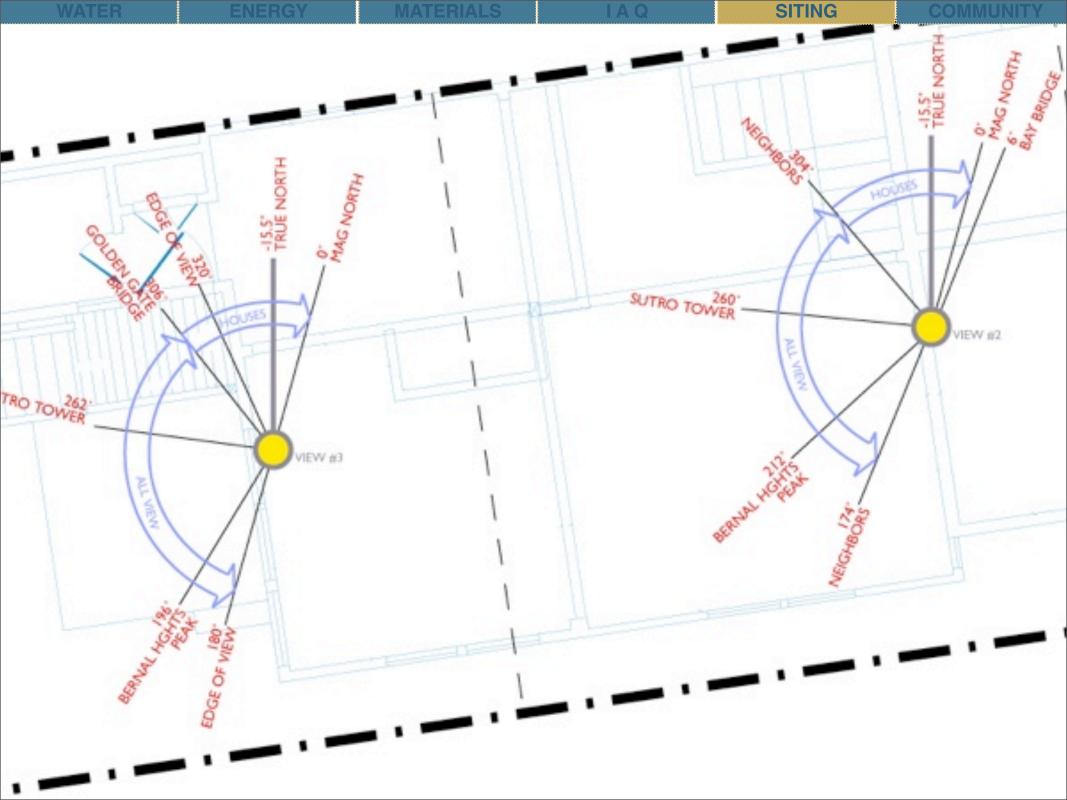




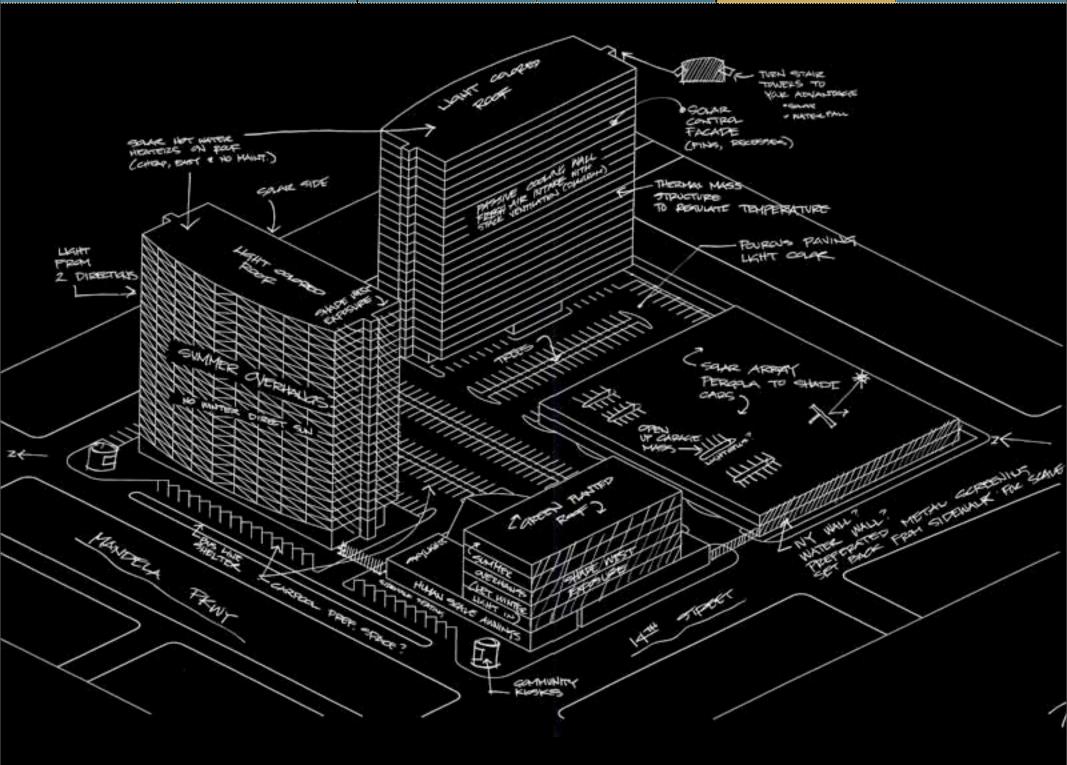


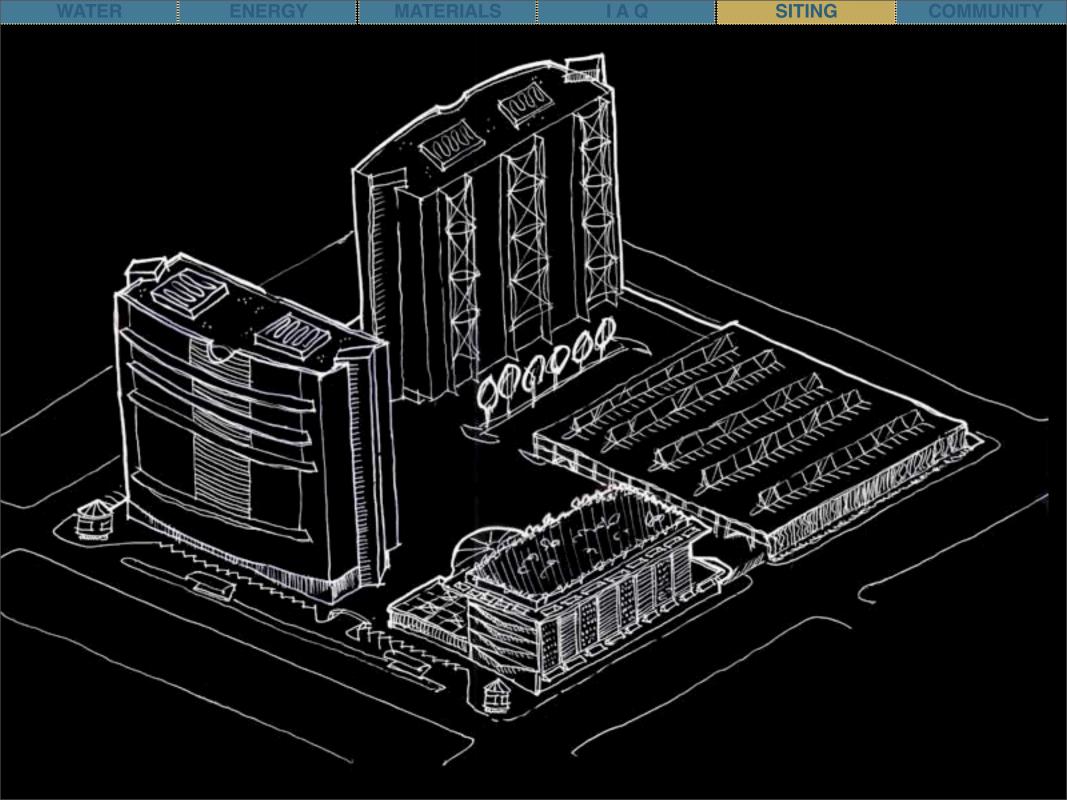


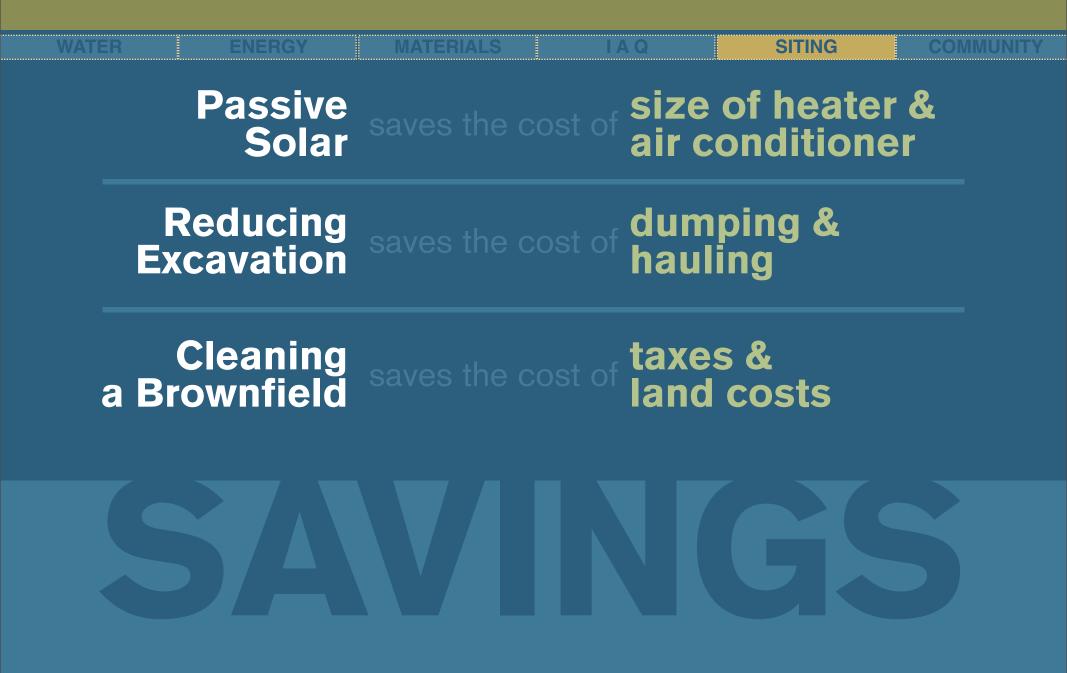


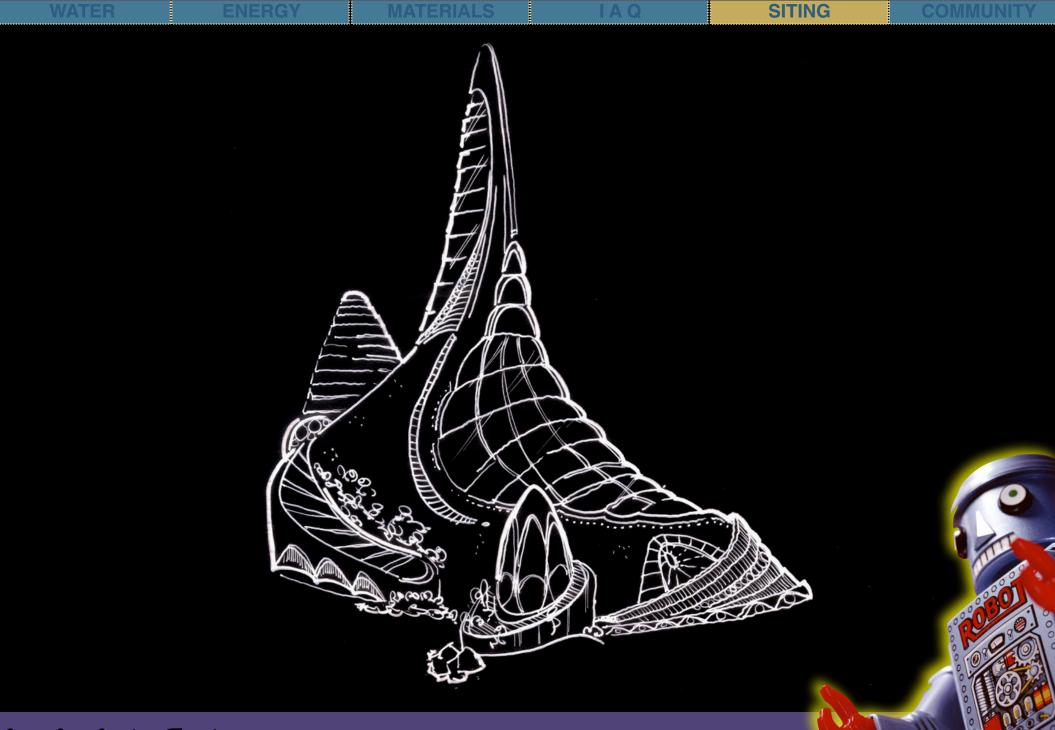








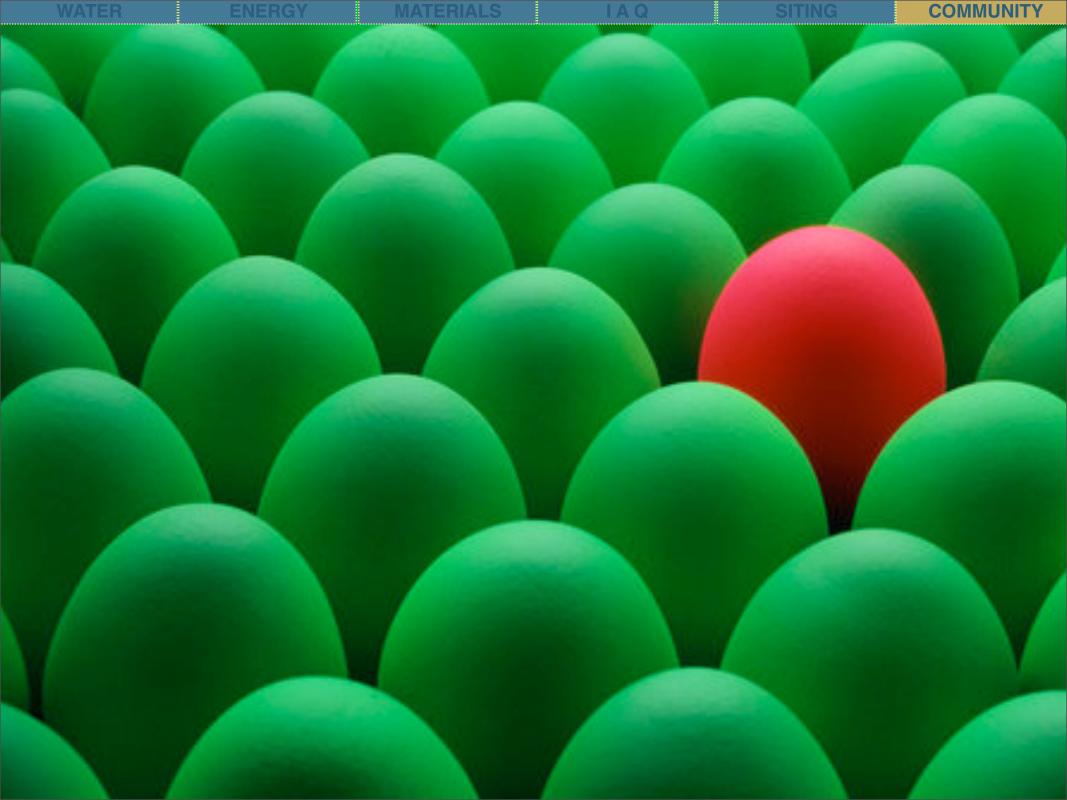




bright future: siting



it's the beige one.

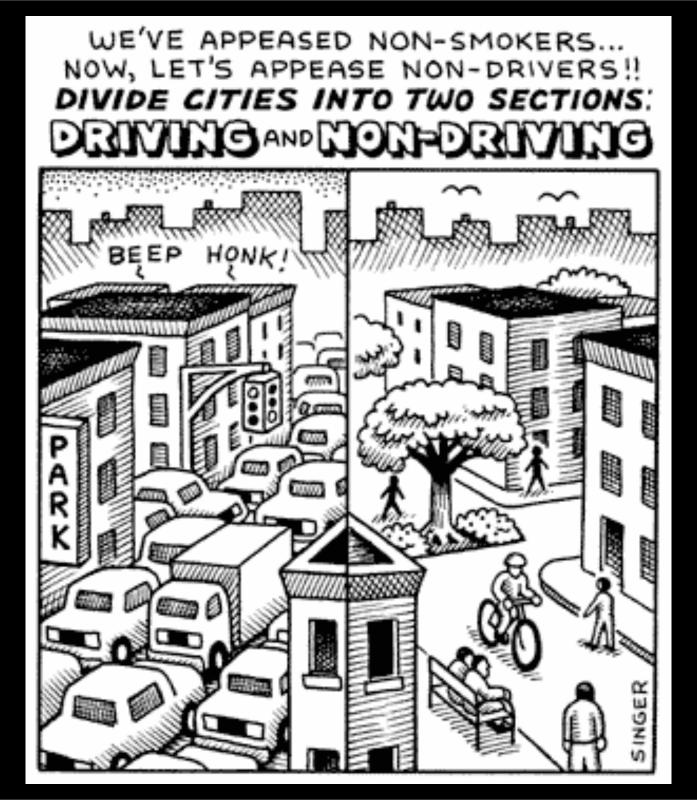












WATER

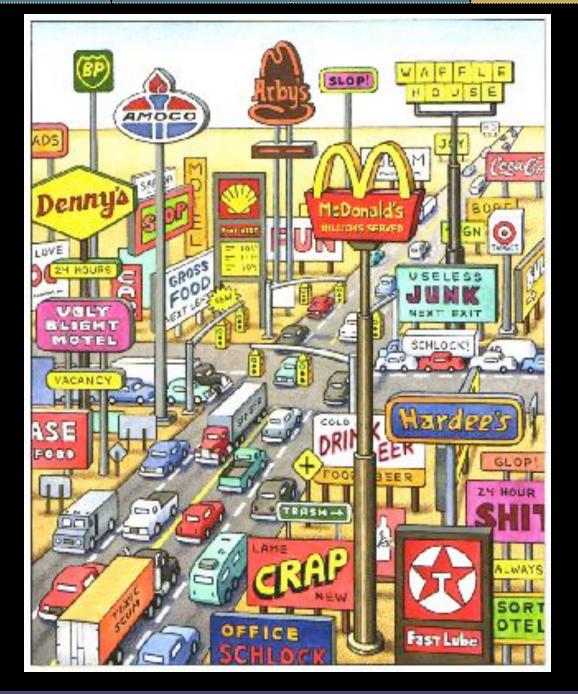
ENERGY

MATERIALS

SITING

COMMUNITY

000

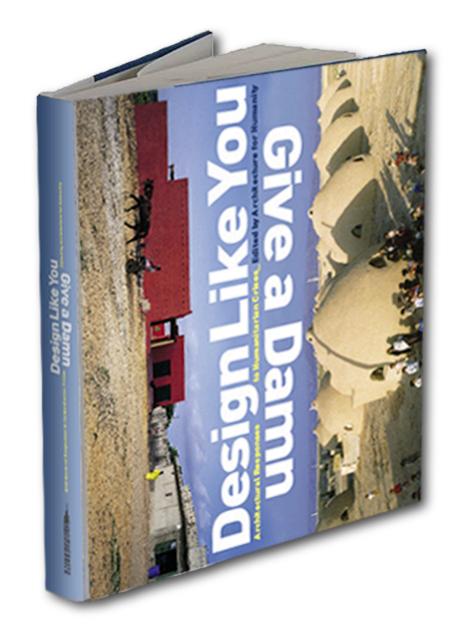


bleak future: COMMUNITY

VITAL ORGANIZATIONS

WHAT IF ONE BLOCK IN TEXAS BECAME THE SUSTAINABLE MODEL FOR THE WORLD?

urbanrevision.com



architectureforhumanity.org

ARCHITECTURE AND DESIGN MUSEUM>LOS ANGELES



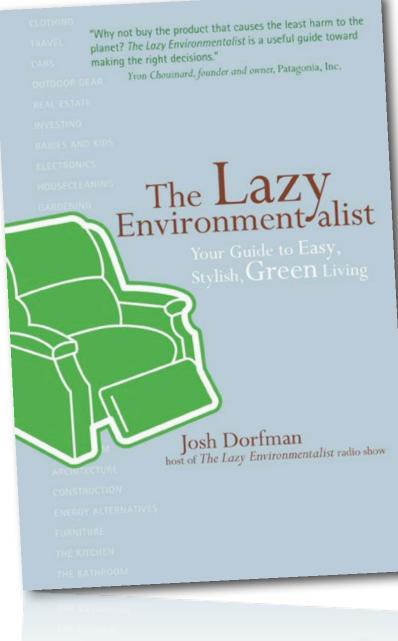


greenforall.org



greenlaces.org





lazyenvironmentalist.com

SOLAR DECATHLON



solardecathlon.org

GreenHomeGuide

Unbiased reviews and advice from professionals and homeowners like you.



greenhomeguide.com

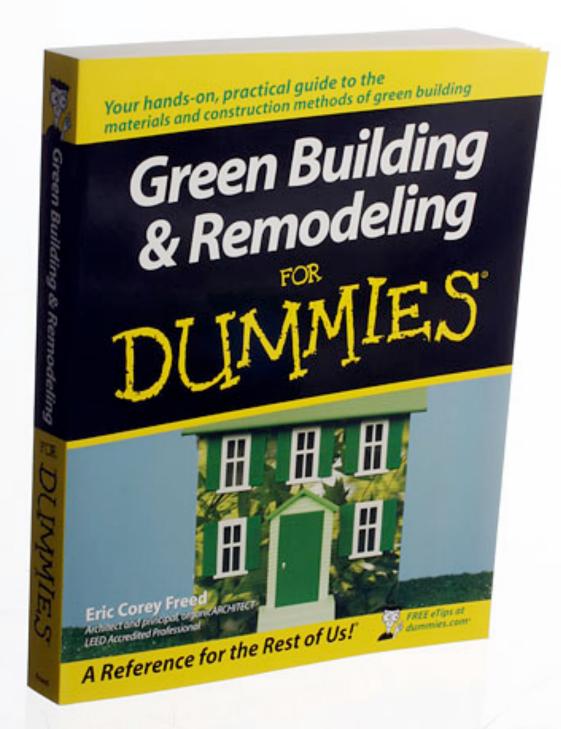
GreenerBuildings GreenBiz.com





October 2009 • San Francisco

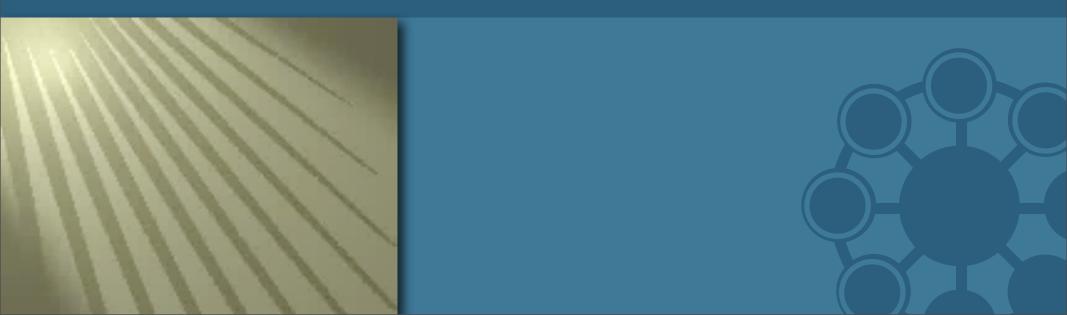




greenbuildingfordummies.com

what's next:

action steps



take action. do something. think big.





tell others. share your enthusiasm.





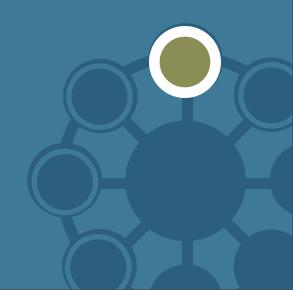
fill the materials library with green materials.





make a list of things you will not compromise.





become champion of one issue. innovate.





"you must be the CHANGE you wish to see in the WORLD..."

-Mahatma Gandhi

organicarchitect

QUESTIONS

CONNECT:

facebook. Linked in. twitter

DOWNLOAD THIS PRESENTATION:

DROP OFF YOUR BUSINESS CARD

organicarchitect.com/downloads/fall08.pdf