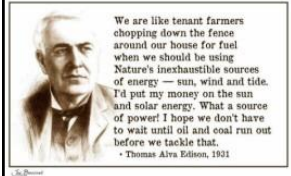
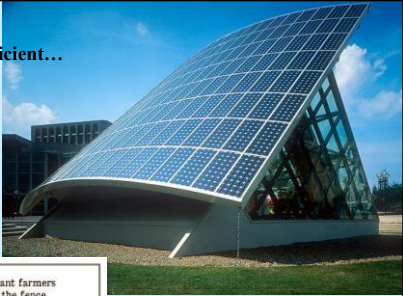


Site Energy:

Being totally self-sufficient...

- Sun
- Wind
- Light
- Earth
- Water

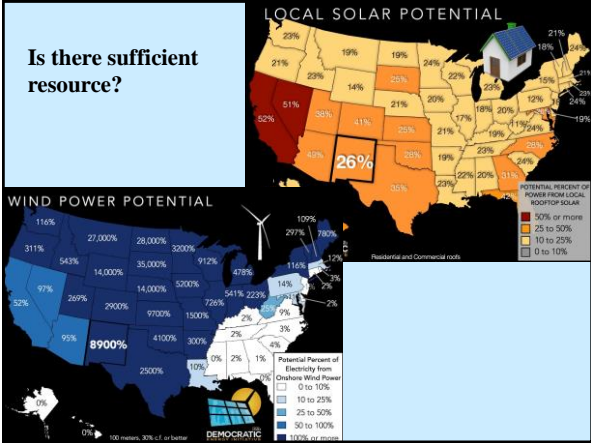


We are like tenant farmers chopping down the fence around our house for fuel when we should be using Nature's inexhaustible sources of energy — sun, wind and tide. I'd put my money on the sun and solar energy. What a source of power! I hope we don't have to wait until oil and coal run out before we tackle that.

• Thomas Alva Edison, 1931

BP Solar Pavilion
Arup Associates

1



2

Trout Farm: *Rising from the Ashes*

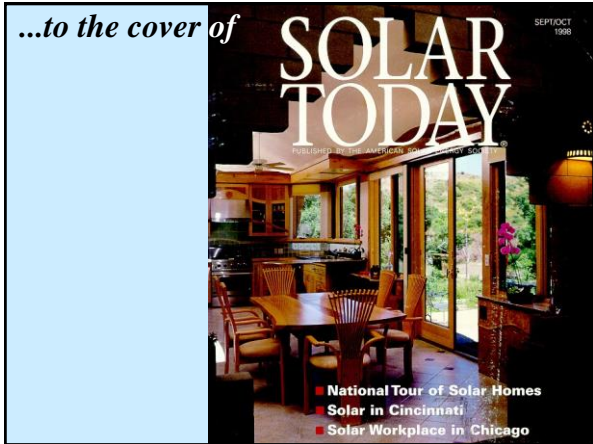
A Study in Sustainability

A group of California solar architects turn tragedy into opportunity when their home/office complex burns to the ground.

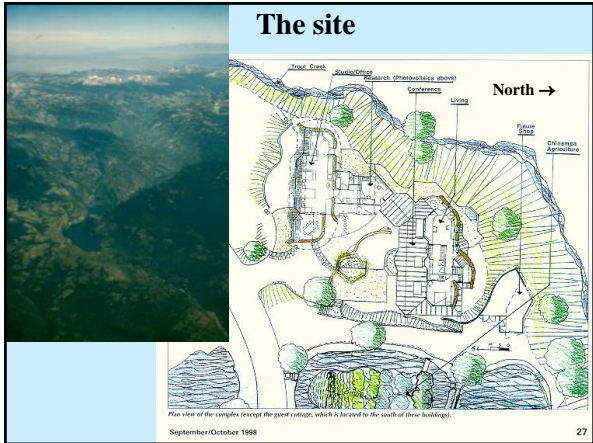
BY KEN HAGGARD AND POLLY COOPER

The San Jose Office Sustainability Group's rebuilt studio/office/residence complex four years after the #1 FIRE (Fire that burned 45,000 acres (18,300 hectares) in the area.

3



4

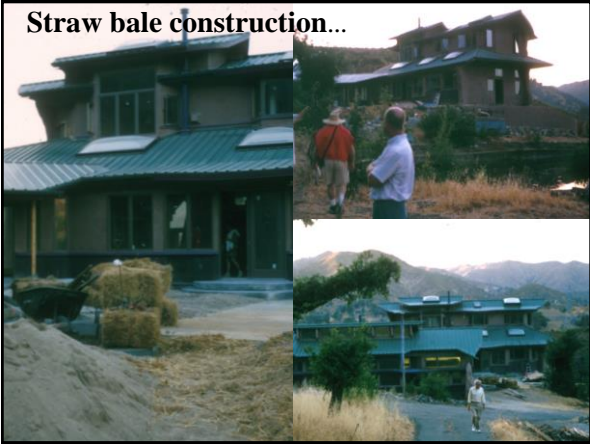


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Straw bale construction...



7



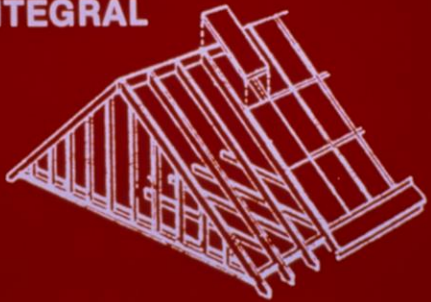
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Building Integrated PVs

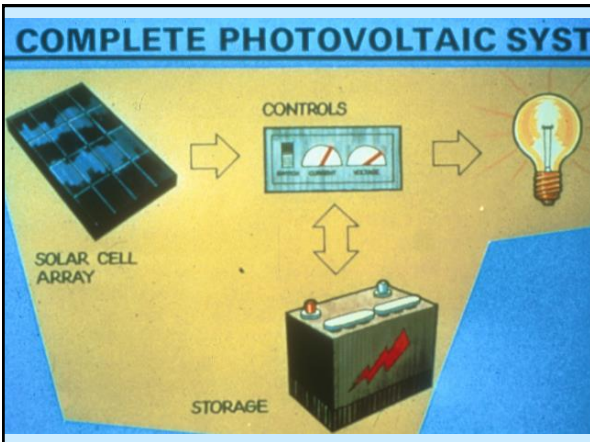
INTEGRAL



10



11



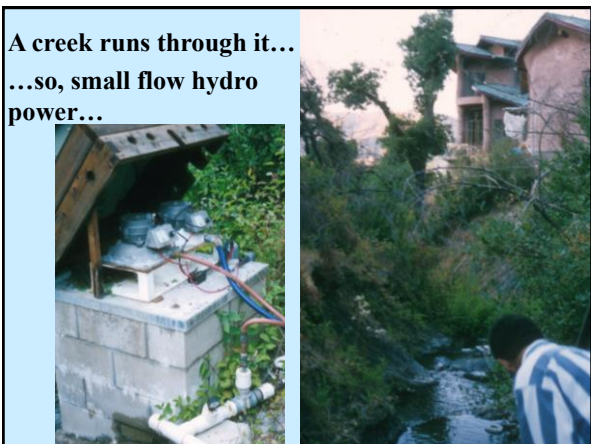
12



13



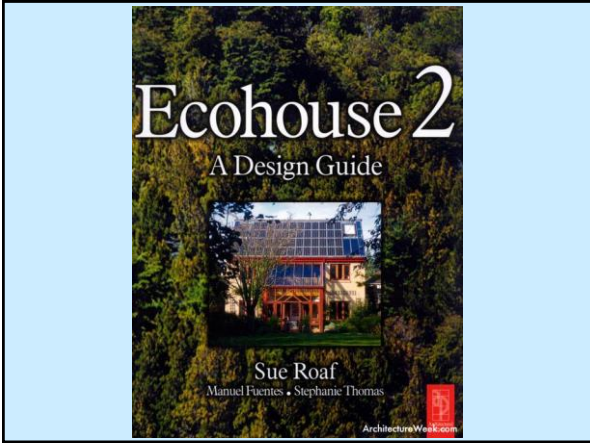
14



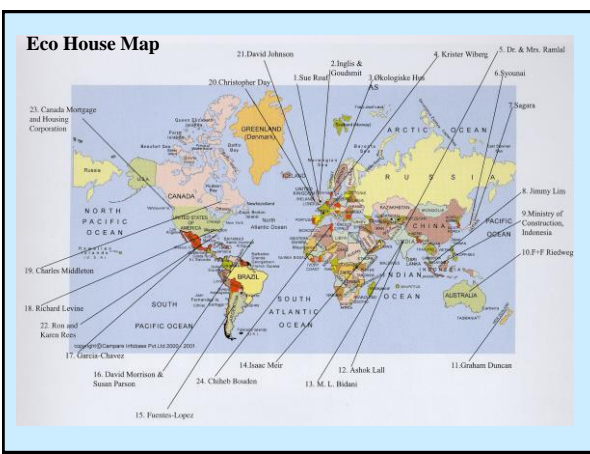
15



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17



18

Build an Eco-House in your neighborhood—El Cerrito



2004 to 2016

22



**...or in Moscow...
the green builder
program**

23

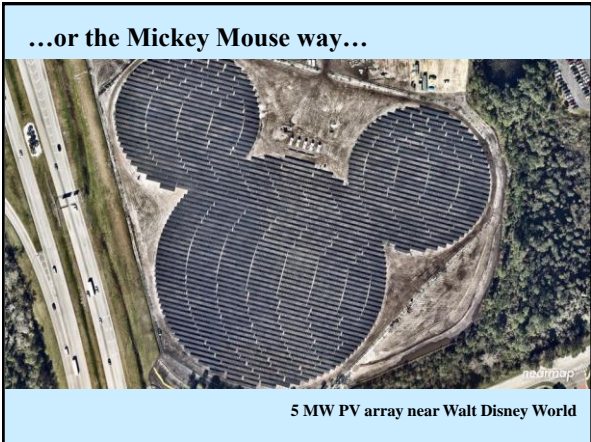


Solar thermal

11 kw PVs @

**...or at Lopez Island
Community Land Trust...**

24



28



29



30



31



32



33

The diagram shows a cross-section of a building facade with eight cylindrical wind turbines mounted on it. A label 'Wind turbine' points to one of the units. A scale bar below the diagram indicates '10 FT' and '3 M'. The photograph below shows a close-up of the cylindrical turbines with their mylar-finned blades, set against a city skyline.

The 8 cylindrical mylar-finned turbines contribute about 10% of the building's electrical power.

34

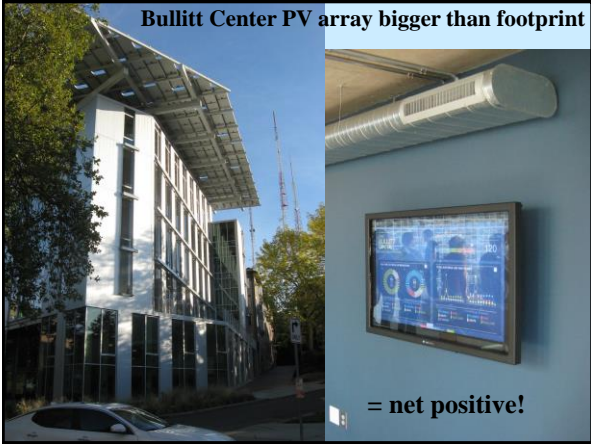
The main image is a photograph of the Burj Khalifa in Dubai, showing its distinctive spire. An inset image shows a diagram of a building facade with a curved, wind-funneling structure that channels wind through a series of openings.

High-rise buildings in Bahrain and London have access to and funnel high speed winds for optimal power production...

35

The screenshot shows a news article titled "The Eiffel Tower Now Produces Its Own Energy" by Estefania Acosta, dated Mar 3, 2013. The article includes a photograph of workers on the tower's lattice structure. The text states: "A victory for eco-friendly design—the Eiffel Tower is now powered by 100% renewable energy and has been since last January, according to Paris mayor Anne Hidalgo. LED lighting, solar panels, rainwater recovery systems, and most notably, two vertical axis wind turbines have turned the monument into a beacon of green design. France has been eager to show their concern for a more sustainable future, a commitment illustrated by the tower."

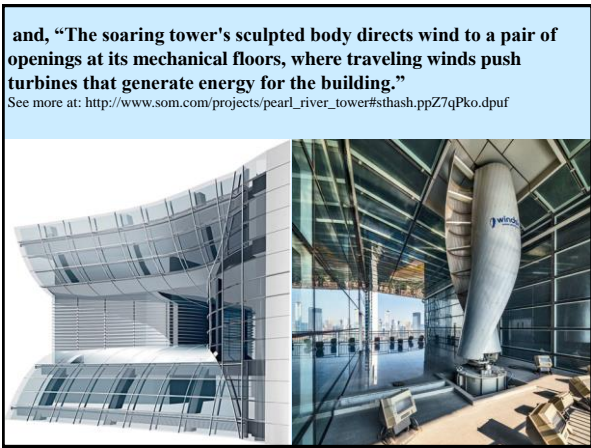
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37



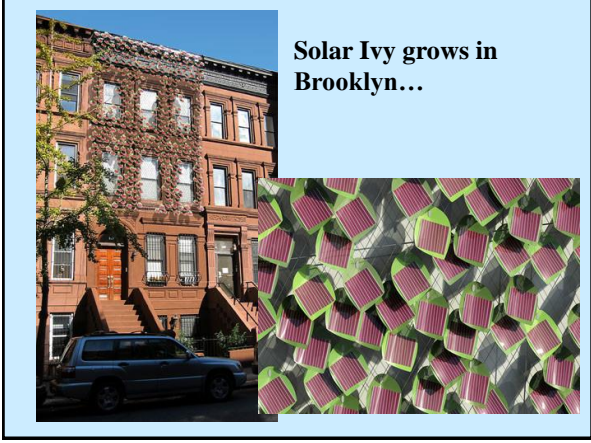
38



39



40



41



42



The Springs Preserve, Las Vegas


43

Setting good examples ... the Vatican and the US DOE


Turning the Department of Energy into a Model of Solar Design

Also included in both the Senate and House energy bills is a provision that provides funding to construct a photovoltaic wall, called the "Sun Wall," on the Department of Energy's Washington, D.C., headquarters' south wall. The wall would generate 200 kW of electricity and would be the largest building-integrated solar energy system on any federal building in the U.S.

Since the initial Sun Wall competition in 2000, the project has languished in Congress. But thanks to the active advocacy of the AIA and support from key members of Congress, the Sun Wall is a major step closer to reality.



AUG 2007



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FUND UI SOLAR

Please help support the purchase of a solar panel.
To learn more visit: uandigive.uidaho.edu/solar



INTEGRATED RESEARCH & INNOVATION CENTER (IRIC)

When you purchase a solar array, it's like buying your energy "in bulk" for the next 30+ years, at a fixed price.

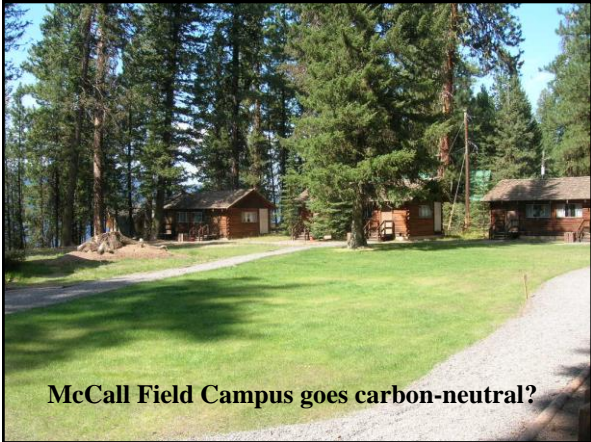
That's why stakeholders have developed plans for a large scale solar power array, the first of its kind on campus. Over its lifetime, the system will generate more than 5-million kWh hours of energy saving the university \$482,000 dollars.

PROTECT + RESTORE + FUND



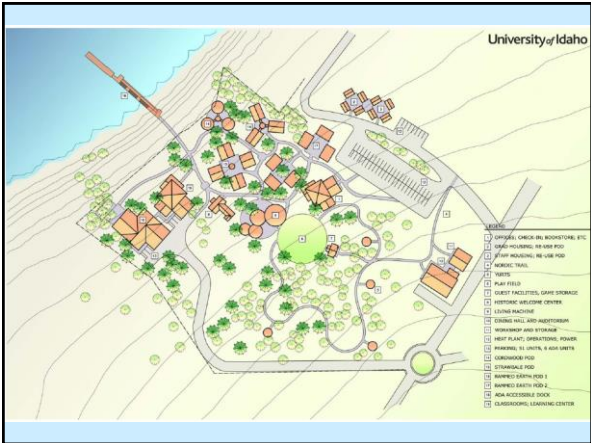
Project completed Oct 2020!

45



McCall Field Campus goes carbon-neutral?

46



47

North American Clean Energy
www.nackscleanenergy.com

Meet the Hy-Bird
Solar hydrogen powered plane set to be the first to travel around the world using only renewables

Dyson working on new generation of fast, green cars
The design guru has seen the future of transport, he tells Martin Hickman: solar-powered electric vehicles

Sunday 22 June 2008
Britain's most famous inventor, Sir James Dyson, is working on a project that could lead to the creation of a fast, green car.

Engineers at his research laboratory in Wiltshire are developing a powerful lightweight motor that could enable electric cars to zoom along for hundreds of miles without causing pollution. Solar panels on their roofs or in garages would charge them with renewable energy.

In an interview with The Independent on Sunday, the scientist forecast that electric cars would be "the future" of transport, and predicted they could outnumber petrol vehicles in as little as 10 years' time.

The G-102, with its green and economic credentials, is here to stay.
BY NICKY FICHTNER

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