

What's holding us back?
Or, if solar is so great, why isn't it on my roof?

"Solar as Sustainability Approach in the Metropolitan Washington Region"

October 6, 2011 Washington, D.C.



About Solar America Communities

Solar America Communities is a U.S. Department of Energy (DOE) program designed to increase the use and integration of solar energy in communities across the United States. The International City-County Management Association (ICMA) and ICLEI-Local Governments for Sustainability were competitively selected by DOE to conduct outreach to local governments across the United States, enabling them to replicate successful solar practices and quickly expand local adoption of solar energy. For more information visit www.solaramericacommunities.energy.gov.

PARTICIPATING ORGANIZATIONS

















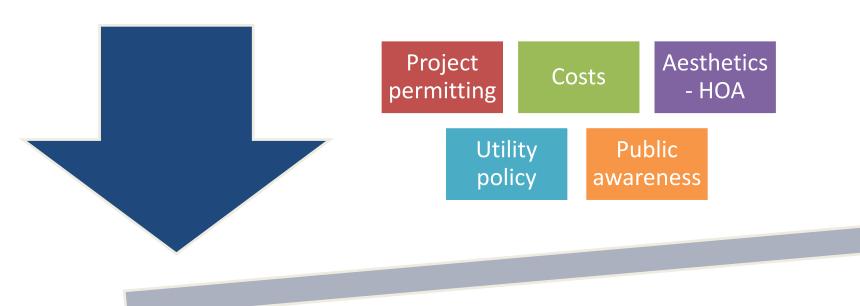




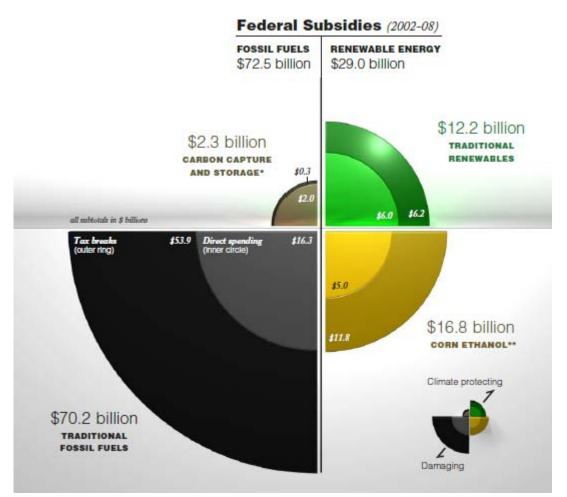




Why Isn't Solar More Widely Adopted?







Source: Environmental Law Institute





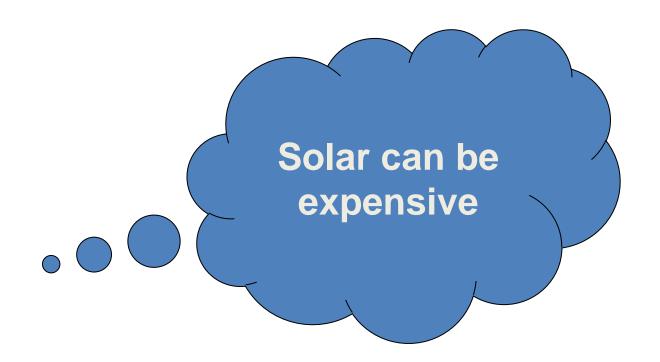


- It's not sunny enough where I live
- It takes up too much land
- I should wait because a better technology is around the corner
- It causes too much glare

All of these are False!



What's True?





People are not used to paying for 25 years of electricity up-front

Up-front cost for residential PV systems can be between \$5,000-\$15,000 after rebates and incentives.

I might not stay in my home long enough for the system to payback. 6-15 year payback might seem too long.







Can I even put solar on my roof?

Expensive roof repairs?
Electrical upgrade?
Getting everything up-to-code?



Panels on hurricane damaged roof in Florida. From One Block off the Grid:

http://1bog.org/yes-solar-panels-can-survive-a-hurricane/

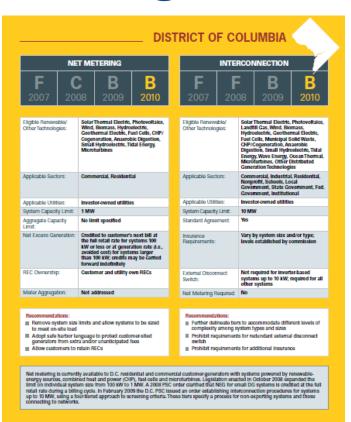






Can I connect to the grid?

Ground level disconnect?
Can I get net-metering?
Interconnection costs?



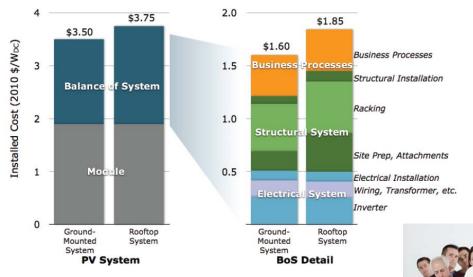




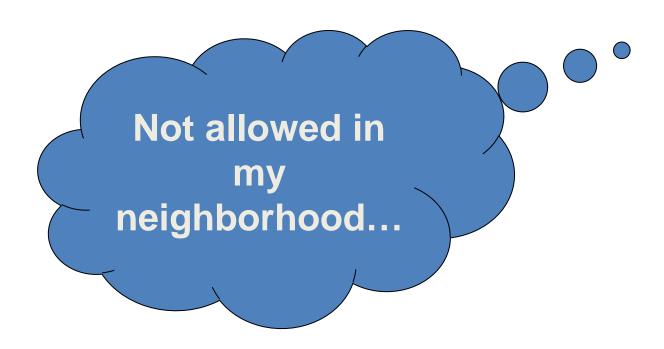


Red tape for Green energy

- Special permit requirements?
- Fire setbacks?
- Multiple permits and inspections
- Permitting delays
- Local building officials unfamiliar with the technology or local installers











- Homeowner's Association restrictions
- Historic district restrictions
- Aesthetic complaints



Additional Barriers...

- Difficulty of coordinating efforts regionally
- Territorialism/Competition between neighbors
- Strong Anti-Regulation Sentiment
- Neighborhood Association Pushback



Questions

www.SolarAmericaCommunities.energy.gov