



Audubon Society – Solar Power in Boulder, Colorado

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March 24, 2015

Agenda

I

----- Solar Energy in Boulder

II

----- Technology

III

----- Ownership Structures

IV

----- Costs

V

----- Resources Available

VI

----- Solar Friendly City – Platinum Award

Solar Energy in Boulder

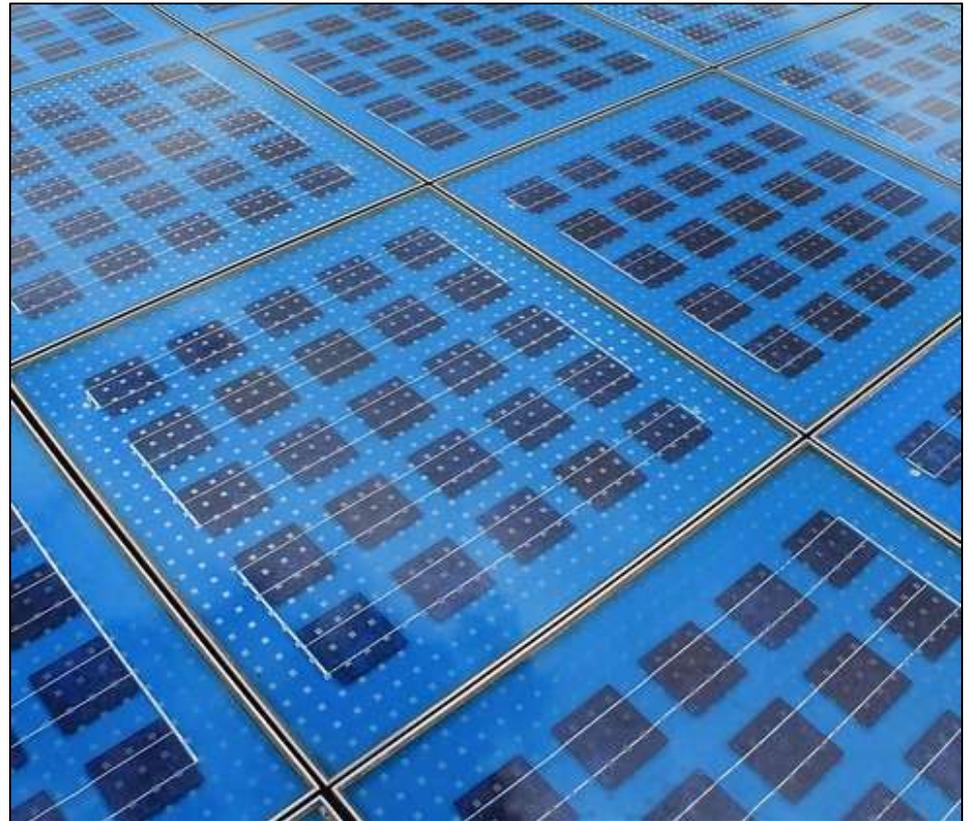
- Solar Shadow Ordinance
- Climate Commitment
- Sales tax rebate and grant
- Solar capacity analysis/local generation



Technology



- Polysilicon
- Monosilicon
- Thin film (solar shingles)
- String inverters vs. Microinverters



Ownership Structures



Buying the system vs. leasing the system - *Hedge on inflation and rising cost of electricity*

Purchase rooftop or ground-mounted system



Good for residents open to purchasing and owning solar panels

Purchase shares in a **solar garden**



Good for shared roofs, renters, condominium and apartment residents

Lease solar panels with little to no money down and no maintenance



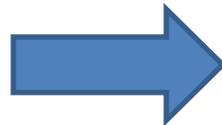
Good for people who don't have a large down payment or don't want to own the array

Costs

IV



Upfront cost
~\$3-4 per watt



Simple 4 kW system example

\$3.50/watt = \$2.45/watt after tax credit.

Total system cost = \$9800

Estimated production 6,119 kWh @
\$0.14/kWh = \$857/year

Straight line Payback = **11.4 years**

**DOES NOT ACCOUNT FOR HEDGE or
FUTURE VALUE OF MONEY**

Resources Available

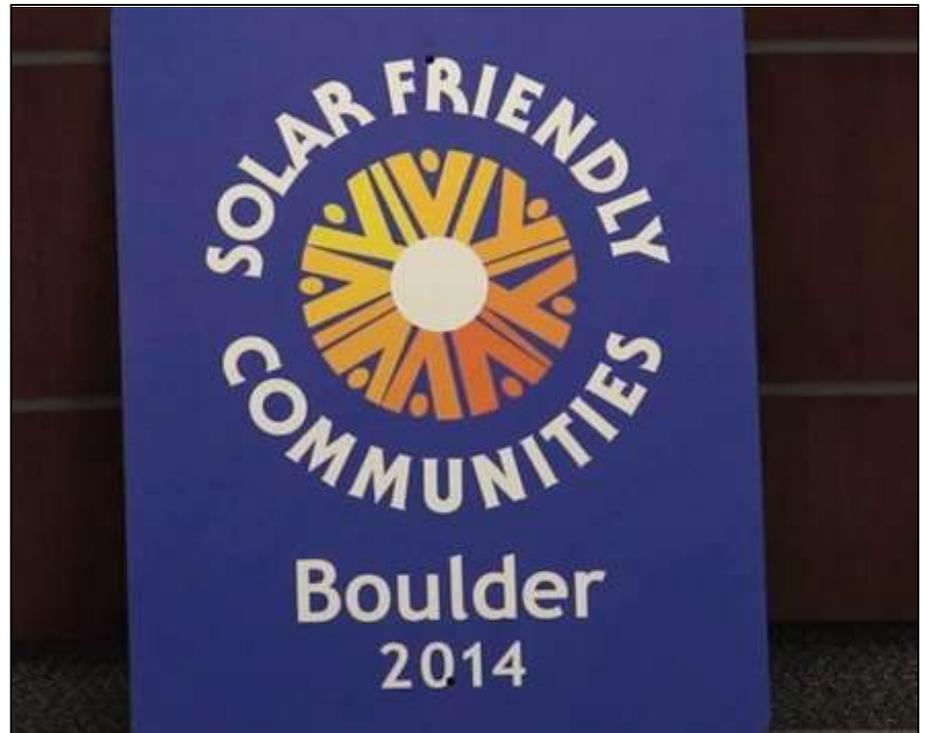
- Solar* Rewards Incentive structure – *Performance Based Incentive (PBI)*
- Federal Tax Credit = 30%
- Loans – Energy Smart and Elevations Credit Union
- City solar grant and rebate
- Low-income – GRID alternatives
- Find an installer – COSEIA
 - www.coseia.org
- NREL's PV Watts



Solar Friendly Community - Platinum

VI

- Standards to preserve solar access
- Updating and streamlining codes
- Education for residents
- Track solar progress



Discussion and Stay Informed

Follow along at www.BoulderEnergyFuture.com

- Sign up for E-News updates and newsletter
- Use online comment form for questions, feedback or suggestions

Solar specific: www.bouldercolorado.gov/solar

Send an email to the staff team

- EnergyFuture@BoulderColorado.gov

Contact Yael Gichon with questions or comments

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