



The Colorado Solar Energy Industries Association is the voice of Colorado's solar sector.

1 MILLION SOLAR ROOFS A 3 GW GOAL FOR COLORADO

The Colorado Solar Energy Industries Association, Environment Colorado, and opinion leaders statewide have established the goal to install solar on 1 million roofs — the equivalent of 3 GW of solar — by 2030.

This goal will contribute to Colorado's economic development. 3 GW means a ten-fold increase in the amount of solar — Photovoltaic and Solar Water Heating Technology — already installed in Colorado. Today, the state has 300 megawatts of solar thermal and solar electric systems in over 10,000 homes and businesses.

It's time for Coloradans to use the sun's energy and recognize that solar is not a niche market, but rather a mainstream resource.

Installing solar on every available and appropriate rooftop in Colorado today, would yield 16,000 MW of solar electric power.

Community solar gardens and utility scale installations can further expand the options for solar.

According to the *Denver Post*, solar contributed \$1 billion to Colorado's economy between 2010 and mid 2013.



JOBS Colorado ranks 6th nationally in the number of people employed in our solar workforce. 266 solar companies here employ a total of 3,600 people in healthy, well-paying jobs. Every MW of solar yields 25 job-years in manufacture, install and maintenance.



SOLAR GARDENS & UTILITY SCALE Utility companies that approve solar gardens pave the way for equal access to solar. Utility-scale projects are predicted to account for > 50% of the installed solar capacity needed. Shares in community solar gardens are a practical way to support the 3GW goal. As of autumn 2013, Colorado has installed 5.1 MW of Solar Gardens, with 11 MW planned for 2014.



SOLAR THERMAL The 3 GW goal embraces solar water heating technology too. It is not specific to solar PV. Space abounds for solar installations: In Colorado, 1.7 million single family homes, 600,000 multi-unit apartment buildings, and 120,000 commercial buildings are waiting for solar installations. Typical homes can host 3-8 KW, taking 300-800 ft2 of rooftop space.

SOLAR FRIENDLY COMMUNITIES

COSEIA's Solar Friendly Communities program offers

12 Best Practices in solar permitting to provide local governments an easy template. The program rewards local jurisdictions for enacting solar friendly policies

that make it easier, faster & more affordable for their residents to go solar.

The Solar Friendly Communities toolbox is a way to cut the

“soft costs” of solar by streamlining permitting,

making inspection less time-consuming, and adding

language to current zoning codes that improves the process for individual cities and counties.

COSEIA's recognition program honors community leaders who make it easier for their citizens to go solar. We intend to spread the program throughout Colorado. COSEIA

launched a \$500 discount program in which installers voluntarily give discounts to customers in Solar Friendly Communities as a way to put a concrete value on reduced costs.



POLICY INNOVATION



To reach a Million Solar Roofs, Colorado needs to remove unnecessary policy hurdles that are inhibiting the growth of solar. We are working on

short-term policies and longer term

visions to make real our commitment to the equivalent of a Million Solar Roofs. COSEIA won a big victory when the Public Utilities Commission agreed to

COSEIA's request to extend the small program Solar Rewards program to make it available to more residents.

We are optimistic that SB 252, which COSEIA worked for, will encourage solar growth statewide. This bill

is especially helpful in increasing installations in

rural co-op territories. We continue to push for policies that allow solar thermal technologies to flourish. We

also are working for policies that account for the

benefits of solar to all utilities in Colorado and make solar accessible to all customers.

SOLAR ACCELERATORS

COSEIA will track Colorado's progress toward this goal by

keeping a database that tallies the

daily progress toward installing 3 GW of solar. With the help and sponsorship of member companies, all installations will be registered. Some sites will provide real-time data on performance if meter-to-Cloud hardware is installed.

We will increase our ability to monitor successes and failures of different policies and programs as we go. We will work through our annual

Solar Power Colorado conference and trade show to bring the best from industry thought-leaders to bear on how to expand solar markets dramatically.

COSEIA hosts ongoing roundtables with

industry leaders to work out solutions to thorny problems. We will partner with a wide variety of regional organizations who share this vision and jointly work to make it real. COSEIA

enthusiastically embraces new members who are

faithful to solar, as well as other businesses that want to work with the solar industry.



PUBLIC OUTREACH



The Million Solar Roofs vision is designed to get the

good news to all of Colorado that

solar is ready to play a major part in our energy future. Solar is affordable and accessible to everyone today. There are many ways to go solar.

COSEIA is working with Environment Colorado on this campaign. Environment Colorado went

door to door to 50,000 homes this summer to ask people to sign a petition to the governor in support of our vision. We are asking supporters to

sign our online petition in support of the campaign at the Million Solar Roofs website at

gosolarcolorado.org. All are invited to support this work by becoming a solar citizen, and joining COSEIA at the individual level. Go to coseia.org

Since the cost to install solar has decreased 75% in the past 3 years, the time is now.