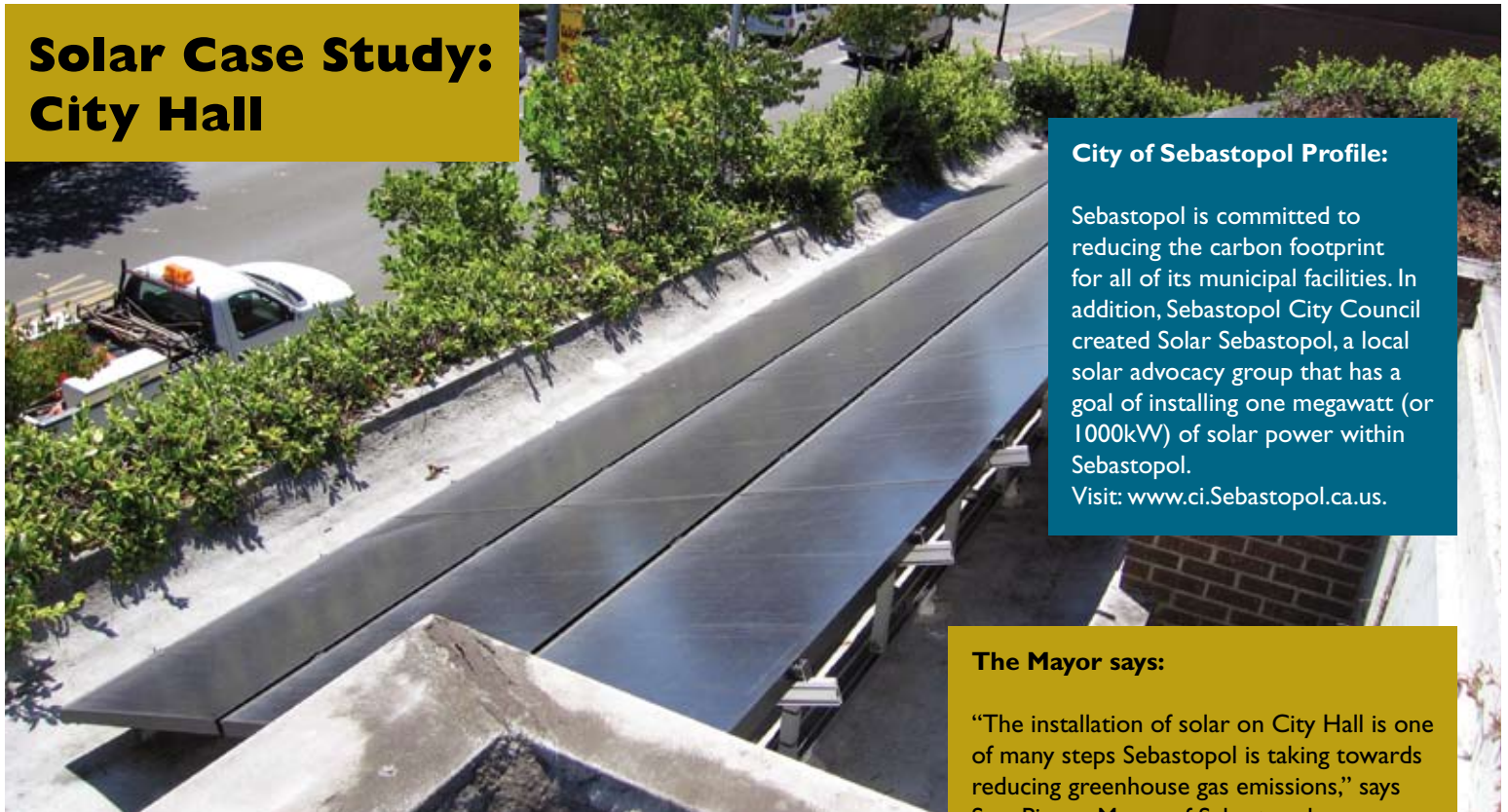


Solar Case Study: City Hall



City of Sebastopol Profile:

Sebastopol is committed to reducing the carbon footprint for all of its municipal facilities. In addition, Sebastopol City Council created Solar Sebastopol, a local solar advocacy group that has a goal of installing one megawatt (or 1000kW) of solar power within Sebastopol.

Visit: www.ci.Sebastopol.ca.us.

The Mayor says:

“The installation of solar on City Hall is one of many steps Sebastopol is taking towards reducing greenhouse gas emissions,” says Sam Pierce, Mayor of Sebastopol.

“The City is shifting our energy source from fossil fuels to renewable energy.”

The Challenge: Meeting Sebastopol’s City Hall goal of 100% emissions offset with a limited amount of roof space. Another installation challenge: the roof’s sprayed-on foam exterior insulation.

The Solar Solution: Solar Works designed and installed a roof-mounted, 10.6-kilowatt (kW AC) photovoltaic (PV) solar electric system that is expected to supply nearly 97% of City Hall’s electricity needs. To meet the space limitations, Solar Works selected high-watt-density, high-efficiency SunPower panels. To handle the “foam roof” mounting, Solar Works relied on its 21 years of installation and roofing expertise—one reason it has never had a call-back for a leak caused by a roof mount.

The Results: The City Hall solar system, commissioned in July 2007, is expected to produce 18,500 kilowatt-hours (kWh AC) annually, keeping about nine tons of CO₂ out of our atmosphere annually, equivalent to over six acres of fir trees storing carbon each year. City Hall is the fourth solar PV installation done by Solar Works for the City; the other installations include the 17.5 kW Ives Pool and the two 10 kW systems on the Fire Station and the Public Works Building.



Dave Brennan, City Manager, and Sam Pierce, Mayor, in front of City Hall’s two new solar electric inverters.



100% Solar Satisfaction

*Independently verified
by Diamond Certified*

Solar Specifications

Electricity Now Supplied by Solar: approximately 97%

System Size (CEC Rebate Rating): 10.6 kW

Solar Panels: 56 panels, nominally rated at 215 watts each

Inverters: SMA Sunny Boy
one 5000-watt and one
6000-watt, grid-tied

Mounting System: UniRac



707-829-8282

www.SolarWorksCA.com

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