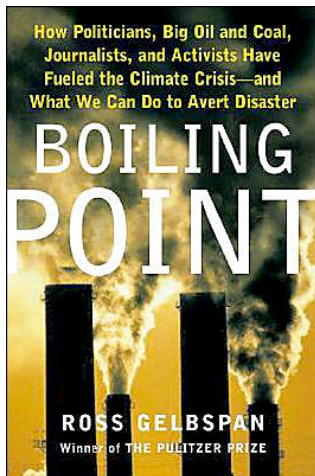


# San Francisco's CCA

Comments from Energy Industry & Climate Experts  
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**Ross Gelbspan,**  
Pulitzer Prize Winner, Author of *Boiling Point* & *The Heat is On*

"I am thrilled to see San Francisco's 2001 solar "H Bond" authority and 2004 Community Choice ordinance being prepared for implementation. With this commitment, San Francisco provides the nation with a desperately needed example for how to effectively combat Climate Crisis. It is an object lesson for every politician in America who believes there is no positive solution to this rapidly escalating crisis. Pacific Gas and Electric, is one of the largest regional sources of greenhouse gases in the country. The city's response -- in the form of a 360 megawatt solar project -- is no token gesture. It will more than halve those utility emissions in a few years -- without incurring the huge expense of new

nuclear facilities which carry profound and lingering concerns about potential accidents, spent fuel disposal and chronic vulnerability to terrorists. **San Francisco is showing how really simple the real solution is: public works projects for solar, wind and other forms of non-carbon energy should be implemented now, in every city in California, America, and the world. The fact that the City will achieve this without a major tax expenditure or even a rate increase makes it truly a model for replication everywhere. I could not be more enthusiastic about this globally important event."**



**Dr. Helen Caldicott**  
Author, *Nuclear Power Is Not the Answer*  
Founder and President, Nuclear Policy Research Institute

"I wrote in my recent book, 'The potential for growth in the renewal non-CO2 producing sectors is enormous. All that is required is a commitment by government leaders to urgently enact serious laws mandating energy conservation, and to shift the subsidies currently provided to the nuclear power industry to alternative and renewable electricity generation. . . . In truth, the earth is in the intensive care unit, and the prognosis is poor indeed unless we all take courageous measures.' **I am gratified that the San Francisco through the Community Choice Energy program is making these commitments and taking bold action to save the earth. This program will meet 51% of San Francisco's community power**

**needs with renewable energy in just twelve years. It is an extraordinarily visionary and exciting project that I am pleased to support. I believe that self-sacrifice and responsibility are noble traits to which most people aspire. They are the qualities that will lead the world toward sanity and survival and they are the qualities of the Community Choice Energy program."**

**Peter Wallis**  
Vice President, Ameresco



**"On whether it is feasible to save 107 MW through energy efficiency and conservation measures in a county such as San Francisco that uses about 800 MW - I can confirm this is achievable based on Ameresco's experience. In addition, we can confirm that the plan to deliver power to the county from a 150 MW wind farm and to build a 104 MW distributed generation network within the county are also achievable.** Ameresco is the largest independently held energy service company in North America having built over \$1 billion in energy efficiency projects and with over 40 offices. We recently embarked on a program to save 15 MW for the Long Island Power Authority for their multi-family, and large commercial, institutional, and industrial customers. Ameresco also helps its customers purchase over \$1 billion of gas and electricity annually, develops renewable energy projects, and most recently brought on line a 3.2 MW landfill gas to electricity project in Santa Cruz, selling power to Palo Alto and Alameda. You can read more about Ameresco at [www.ameresco.com](http://www.ameresco.com). At the appropriate time we would welcome the opportunity to help the City and County of San Francisco procure power, energy efficiency, distributed generation and renewable energy. Ameresco is eager to help San Francisco achieve its exciting Community Choice plan. "



**Dr. Donald Aitken**  
World-Renowned Solar Photovoltaics Expert

**"360 MW of renewable energy for San Francisco sounds like a lot, and indeed it is a lot--about 40% of the power needs of the city. It is important to note, though, that this is indeed a thoroughly feasible target.** For example, both Germany and Japan each placed more than 300 MW of PV alone on buildings in just the last year, and they will do it again this year. San Francisco's target for the PV portion of its 360MW portfolio is 31MW, and over 4 years, which is just one-tenth of the amount that Japan and Germany are installing every year."

"Satellite images have shown that the massive midwest U.S. and southern Canada blackout of August, 2004 occurred in the middle of a sunny day, with the sun shining on the entire multi-state region which experienced the blackout. It has been shown by scientists at the State University of NY in Albany that that blackout might have been averted with about 300MW of PV scattered about the region on building roofs, thus averting losses estimated at about \$1.5 billion from the power outage. That is the amount that Japan and Germany are each installing on buildings every year, with the result that they are strengthening their grids, increasing the reliability of their energy systems, and avoiding potential economic losses from grid failures, while also saving energy and reducing global warming emissions, with renewable energy. The true value of PV and renewable energy is the sum of all of these benefits."

**Michael Nelson**  
Associate Counsel, Commerce Energy



"Commerce Energy is actively monitoring the progress of the City of San Francisco in developing a Community Choice Aggregation program. **We intend to actively participate in any solicitation the City conducts for vendors to assist in serving the needs of the citizens of San Francisco.** We believe we are well positioned to assist the City based upon our experience in serving residential and commercial customers and the fact that we are a California company based with significant experience in serving the California market."



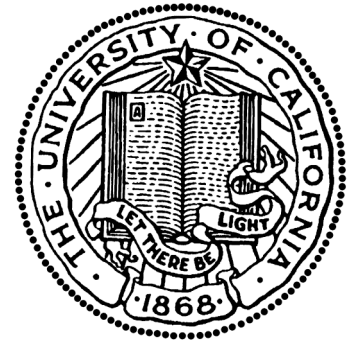
**Michele Perrault**  
**Vice President, Sierra Club International**

"For years, Americans have suffered federal and state regimes apparently unable to deliver on promise after promise of solar power. After decades of falling behind Europe and Japan in renewable energy development, the Climate Crisis, as well as the Peak Oil Crisis, have finally drawn crocodile tears from the President in his recent declaration that America is 'addicted to oil.' Fortunately, we have today evidence that not all Americans are so stupid. **The City of San Francisco has been preparing a major solar public works project since before Bush entered the White House, and after rigorous preparation is now ready to lead the world in a truly visionary solution** - not just vague promises of solar, but a solar construction project on the same scale as bridges and freeways that will result in massive, permanent pollution reduction and energy independence for a major metropolitan area."

**Daniel Kammen,**  
**Prof. UC Berkeley & Dir. Renewable & Appropriate Energy Lab**

"The German state of Schleswig-Holstein as of today has replaced 25% of its prior coal/nuclear mix with renewable power, mostly wind and biomass. Their goal is to reach 50% in 10 years. San Francisco has a much better resource mix. The benefit of this sort of aggregation is so good we don't even know how good a deal it is. Every time we have seen large-scale investment in wind or solar we have discovered the price was much less than previously thought. **San Francisco is sending**

**all the right signals for businesses to want to locate here; to take advantage of the excellent work force and the opportunity to sell those technologies into this aggressive renewable energy efficiency market.** This is a good deal for the city over a relatively short-time scale."



**Tyrone Cashman, Architect, California Wind Credit Law**

"Two things are happening – a ground swell of citizens asking for a new way of living on the face of the earth and Governments and vested interests that are holding a lid on the old way. In the 1970's we started things going here. We went from 3 windmills to 17,000. We went from almost no solar to massive solar. It began to spread around the world. I went to Japan in 1994, when they had less than 500 solar panels and they wanted to know the "California story." Partly as a result of telling it they now have 65,000 solar panels.

**The whole world can move to renewable energy the only thing holding it back is America's bad example of insisting on using early 20<sup>th</sup> century energy programs instead of the 21<sup>st</sup> century.**

**Once we take leadership in renewables it will flood the world.** In Denmark, 21% of the nation is already renewable. To show where we can go- Western Europe can meet all of it's electricity needs from offshore wind power alone. Kansas, North Dakota and Texas have enough harness able wind to meet all or national energy electrical needs. China can double its existing capacity from wind alone. Even in the UK, a cloudy country, putting modern P.V. technology on all suitable roofs would generate more electricity than their nation consumes in a year. These are real energy technologies."