

# **A Million Solar Roofs and Beyond**

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## **The Million Solar Roofs Initiative**

- Signed into law by Governor Schwarzenegger in 2006
- 10-year, \$3.3 billion program, began January 1, 2007

### 3 Goals:

- 1. Drive the **installation of 3,000 megawatts** (MW) of rooftop solar power by the end of 2016
- 2. Reduce the price of solar power
- 3. Create a vibrant, sustainable solar industry in California for the long term



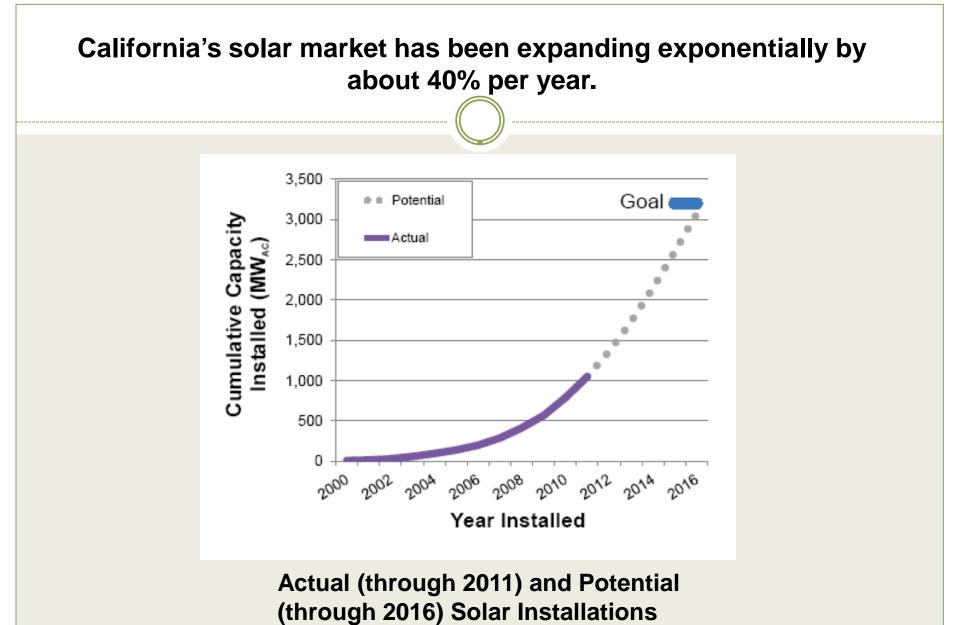
### Is the Million Solar Roofs Initiative working?

Goal 1: Drive the installation of 3,000 megawatts (MW) of solar power by the end of 2016.

California has installed more than 1 gigawatt (GW) of rooftop solar power, largely due to the Million Solar Roofs Initiative, and is on pace to meet the overall goal installation on schedule.

#### What is a gigawatt?

- 1 GW = equivalent energy to power 750,000 homes
- 1 GW = the equivalent of 2 large coal-fired power plants



in California

### Is the Million Solar Roofs Initiative working?

#### Goal 2: Reduce the price of solar power



Commercial prices have dropped by over 40%.

# Is the Million Solar Roofs Initiative working?

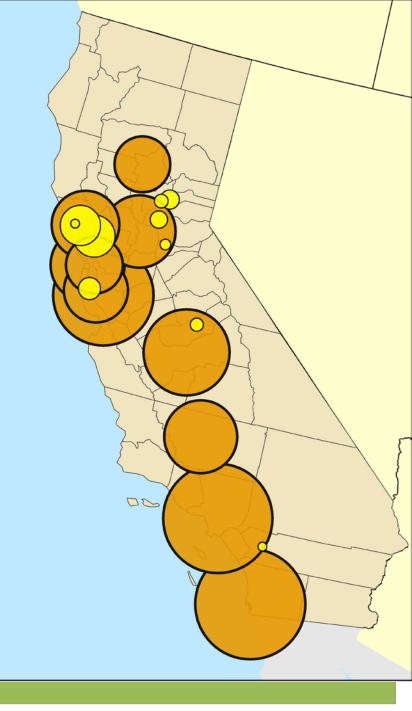
Goal 3: Create a vibrant, sustainable solar industry in California for the long term

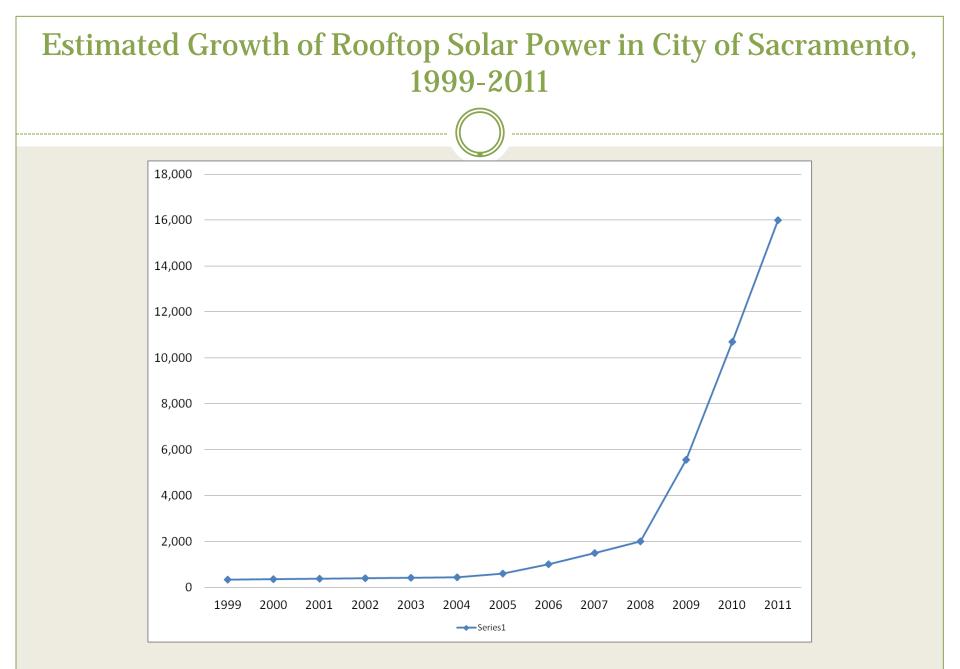
- The industry has roughly doubled in size since 2007.
- California is now home to about 20% of all solar power companies more than 3,500 companies.
- California's solar industry employs more than 25,000 people, making the state
  the nation's solar leader.

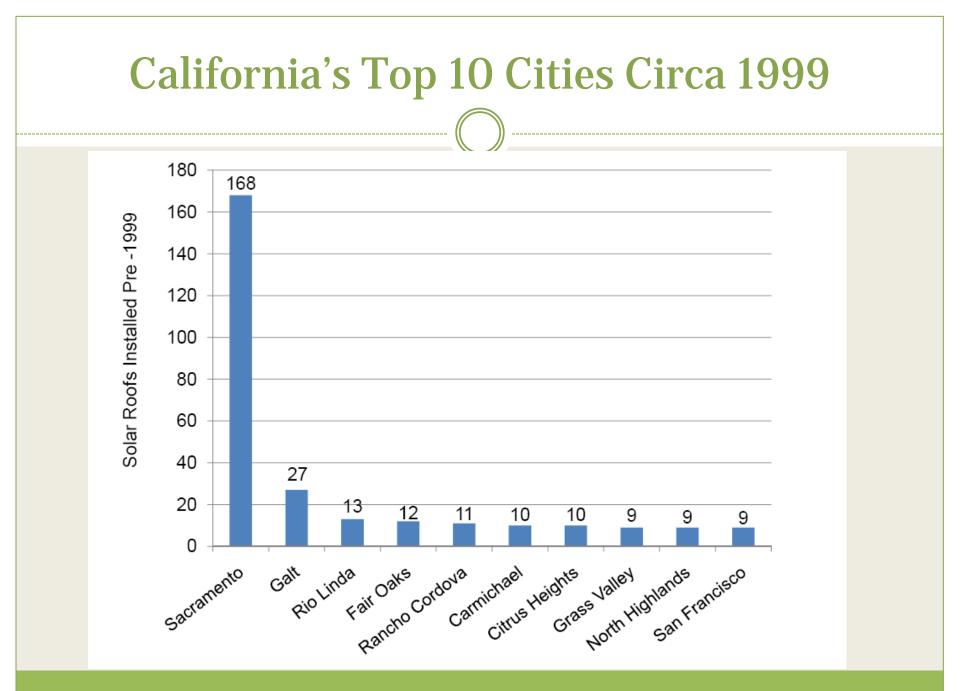


# California's Top 10 Solar Cities – Diverse, Growing

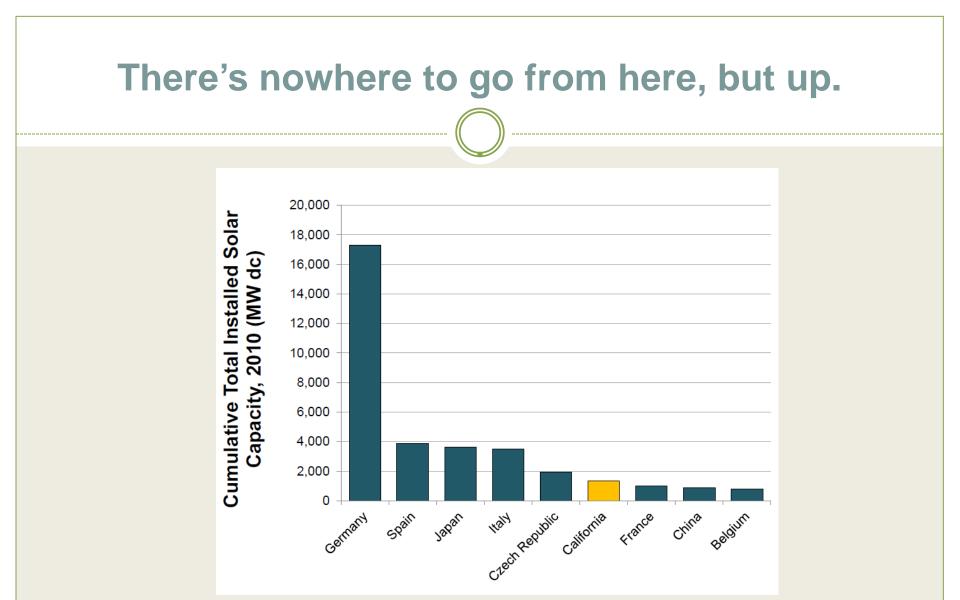
- Orange = by capacity
- Yellow = per capita





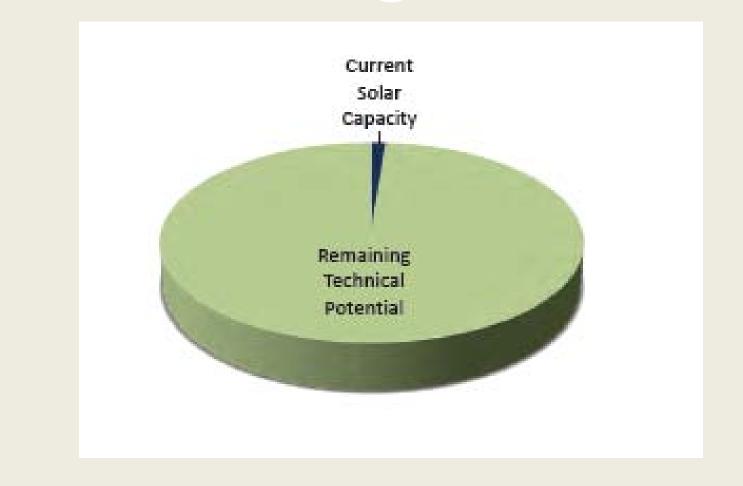


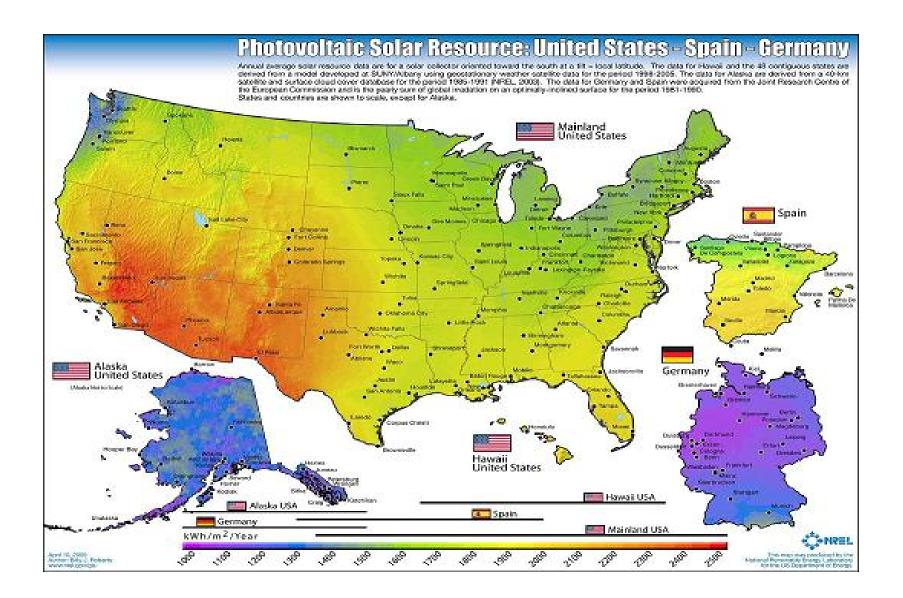




Cumulative Installed Solar Photovoltaic Capacity by Country, through 2010

### California has barely begun to capture its solar power potential





**Some Good Ideas Take a Long Time to Get Traction** 

"We are like tenant farmers chopping down the fence around our house for fuel when we should be using nature's inexhaustible sources of energy sun, wind and tide. ... I'd put my money on the sun and solar energy. What a source of power! I hope we don't have to wait until oil and coal run out before we tackle that."

**Thomas Edison** 

### **Policy Recommendations**

Design policies to achieve Governor Brown's goal of installing 12 GW of local, clean energy by 2020.

### Getting to 12 GW must include:

- A lift of the cap on net metering to continue to support small rooftop solar systems.
- A strong statewide feed-in-tariff program.
- A mandate that all new homes come equipped with solar systems
- A renewal of programs such as the Public Goods Charge.
- Encourage municipal utilities, such as the Los Angeles Department of Water and Power, to meet and exceed their portion of the Million Solar Roofs goal.
- Extension of federal tax credits.