

# Climate and Zero Net Energy Priorities of the Brown Administration



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# Governor Brown's Vision

"I have a continuing commitment to specific programs and policies that reduce California's dependence on foreign oil, increase the diversity and resilience of our energy supply and ease the impact of rising energy costs on California . . .

**Making existing buildings more efficient is a large and quickly tapped energy source. . . New homes and new appliances must be energy efficient and affordable...**

Wind energy can help us move away from reliance on oil. California should maintain its leadership in developing energy projects using bio-gas and agricultural wastes. Solar energy has a wide range of cost-effective applications. . ."

*Governor Brown, 1981 Clean Energy Plan*



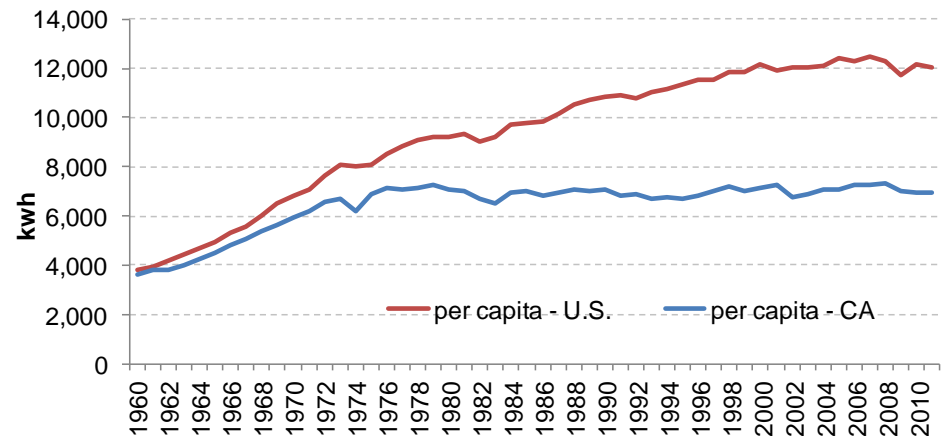
# Governor Brown's Vision

“...And I remember 30 years ago when I was Governor the last time, they said, “Your energy efficiency standards, your environmental rules, you’re going to stop growth.” That’s what they said. Well, back then in 1975, the personal income of California was 150 billion dollars. This year, it’s closer to two trillion. So, with the rules, with the environmental investments, with our energy standards, we are actually creating wealth, and **we’re creating a better society.**”

*Governor Brown, Remarks at Tsinghua University*

*April 10, 2013*

## US vs. CA Per Capita Electricity Consumption



Source: Based on U.S. Energy Information Administration, Population U.S. Census Bureau (Sources [1]-[9]), as modified by California Energy Commission, Demand Analysis Staff in February 2013.

# Governor Brown's Clean Energy Initiatives



33%  
Renewables &  
Beyond



Energy  
Efficiency



Clean Cars &  
Electric  
Vehicles



Energy  
Storage



Demand  
Response



Combined  
Heat & Power



AB 32 & Cap  
and Trade



Sustainable  
Land Use  
Policies

# Governor Brown's Zero Net Energy Goals



California has set a bold course to achieve statewide Zero Net Energy (ZNE) in the next two decades:



- All new residential construction will be ZNE by 2020 in California.
- All new commercial construction will be ZNE by 2030.
- 50% of existing commercial buildings in California will be retrofitted to ZNE by 2030.

# Green Building Executive Order



“Doing something real about the growing threat of global warming requires more than just new laws. We must lead by example,” said Governor Brown. “Greening the state’s buildings will shrink our environmental footprint and save taxpayers millions of dollars.”

*Governor Brown, Executive Order B-18-12*

*April 25, 2012*

# Green Building Executive Order



- All new State buildings and major renovations beginning design after 2025 to be constructed as ZNE facilities.
- 50% of new State facilities beginning construction after 2020 shall be ZNE.
- State agencies shall take measures towards achieving ZNE for 50% of the square footage of existing state-owned building area by 2025.
- 14 buildings selected as official ZNE Pilot Projects: includes 9 new buildings, 1 major renovation, and 4 existing buildings.



“What’s beautiful and exciting about climate change, **no one group can solve the problem.** Not the United States, not California, not Japan, not China. **We all have to do it.**”

*Governor Brown, Remarks at Tsinghua University  
April 10, 2013*





“It's time for **courage**, it's time for **creativity** and it's time for **boldness** to tackle climate change.”

*Governor Brown, APEC Transportation and Energy Ministerial Conference*

*September 13, 2011*



**Thank You**