



City of Santa Barbara "Reach Codes"



Statewide Energy Efficiency Best
Practices Forum
October 14, 2010

City of Santa Barbara Reach Code "Architecture 2030 Challenge"

- ◆ In September 2006, City Council, local Architects, Contractors and members of Community Environmental Council attended Mr. Ed Mazaria's presentation of the Architecture 2030 Challenge
- ◆ The Architecture 2030 Challenge is to become carbon neutral by the year 2030



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- ◆ The Architecture 2030 Challenge focuses on the built environment as buildings are a major source of demand for energy and materials that produce by-product greenhouse gases (carbon).



Santa Barbara Reach Code

- ◆ Members of the community picked up the “Challenge” and formed an Architecture 2030 Coalition with representatives from our local American Institute of Architects, Santa Barbara Contractors Association, Santa Barbara Built Green, the Community Environmental Council and other interested community members.
- ◆ In January 2007, the Architecture 2030 Coalition gave a presentation to City Council requesting that Council pursue amending the California Energy Code to meet the “Architecture 2030 Challenge”



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- ◆ City Council unanimously supports the Architecture 2030 Challenge and directs staff to pursue an Energy Ordinance
- ◆ In search of an Energy Code Consultant, Mr. Michael Gabel of Gabel and Associates, LLC is selected to craft the Energy Ordinance for the City of Santa Barbara



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- ◆ Several public meetings were held to provide input into the crafting of the Energy Ordinance.
- ◆ October 16, 2007, the Energy Ordinance was reviewed by the City's Ordinance Committee and was recommended to the full City Council for approval.

Architecture 2030 Energy Ordinance

- ◆ October 23, 2007, Energy Ordinance is introduced at City Council Meeting
- ◆ October 24, 2007, Energy Ordinance and Energy Cost-Effectiveness Study submitted to the California Energy Commission
- ◆ January 30, 2008, California Energy Commission Approves the Energy Cost-Effectiveness Study
- ◆ February 5, 2008, City Council formally adopts Energy Ordinance
- ◆ March 4, 2008, Energy Ordinance is enacted

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7

Architecture 2030 Energy Ordinance

- ◆ Set forth increased minimum energy efficiency standards for:
 - Any new building or structure of any size
 - Any addition to an existing building where the addition is greater than 100 square feet of conditioned floor area
 - Indoor lighting alterations in conditioned spaces greater than 100 square feet of floor area within nonresidential buildings
 - All new heaters or circulation pumps for pools/spa's to be more energy efficient

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8



Architecture 2030 Energy Ordinance

- ◆ New Low-Rise Residential Buildings - 20 percent more energy efficient than 2005 California Energy Code
- ◆ Additions 100 sq. ft. < - 20 percent more energy efficient
- ◆ New High-Rise Residential Buildings - 10 to 15 percent more energy efficient


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Architecture 2030 Energy Ordinance

- ◆ New Non-Residential Buildings - 10 percent more energy efficient
- ◆ New Non-Residential Hotel and Motel Occupancies – 10 percent more energy efficient
- ◆ Additions of 100 sq. ft < 10 percent more energy efficient


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Key Points

- ◆ Public meetings were vital to present the proposed Energy Ordinance, address concerns, answer questions and educate members of the community on the benefits of the Energy Ordinance
- ◆ Full support from local architects, contractors and other community members

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Key Points

- ◆ Staff training was crucial to understanding and implementing Energy Ordinance
- ◆ Public workshops held for architects, contractors and design professionals
- ◆ Implementation of the Energy Ordinance (no problems or issues)

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New South Coast Energy Reach Code

- ◆ Proposed by the Southern California Edison Company and Southern California Gas Company
- ◆ Reach Code proposal is to be 15 percent more energy efficient than current 2008 California Energy Code
- ◆ Reach Code introduced at several public meetings
- ◆ Presentations made to various City Councils and County Board of Supervisors in the South Coast

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13

New South Coast Energy Reach Code

- ◆ Presentation South Coast Energy Reach Code made to City of Santa Barbara City Council on September 28, 2010.
- ◆ Council directed staff to bring forth an Energy Ordinance to the City's Ordinance Committee
- ◆ Energy Ordinance is currently in "Draft"
- ◆ Public Meetings will be scheduled
- ◆ Proposed Energy Ordinance will be presented to the City's Ordinance Committee within next 30-days
- ◆ Reach Code is supported by local Architects, Contractors and Community Environmental Council

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14