Durability
Codes and Standards Initiative

Salt River Project
Phoenix, Arizona

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11/10/2014 Southwest Energy Codes Conference
EE Program Objectives: Updated Sustainable Portfolio Plan

- Established in 2004, revised in 2006, 2011, ...

- Goals

  - Meet 20% of retail requirements with sustainable resources by 2020
    - Renewable energy, hydro power, conservation, efficiency, pricing measures, codes and standards, behavioral programs, and renewable energy credits
  
  - Energy Efficiency – ‘goal within a goal’

Building Energy Codes Adoptions

2012 International Energy Conservation Code
Energy Efficiency Targets

- SRP's annual incremental objective grows over next decade
- All energy efficiency and pricing initiatives
- Include 50% credit for codes and standards
- Energy conservation and behavioral programs
Opportunities for Energy Savings Within all of the 2012 Codes…

FY13 Actuals & FY14 Projected

IBCC/IRC

IECC

IgCC

IPC/SPC/NEC/IMC/IFC

2012 ICC Construction Codes
Leveraging Energy Codes

Savings Attribution

- SRP Board voted to allow up to 50% of the code-related savings to be captured and included in our Sustainable Portfolio Plan

  o Several discount factors are applied that hold the claimed savings below the max of 50%

  - SRP utilizes a checklist for each jurisdiction that tracks interaction with a jurisdiction prior to adoption. If interaction was low, the max of 50% is revised to a lower percentage.

  - SRP applies a discount factor to approximate the ramp up period between the new code’s effective date and full implementation/compliance. For residential projects the period to full compliance is 3 years. For commercial it is 4 years.
Code Adoption Process in a Home Rule State

Building Energy Codes are one of the most cost effective means to improve energy efficiency

Raise awareness of the building energy codes within the existing structure
IECC– International Energy Conservation Code
IgCC- International Green Construction Code

Become their resource for information already available online
ICC’s Code adoption resources
DOE’s Building Technologies Program State Specific Savings

Educating building officials, advisory board members, elected officials
Architects, Contractors and Sub-Contractors

one by one by one.....
Coordinate with your local ICC Code Officials

Join us in Scottsdale for the 20th Annual AZBO Fall Education Institute
October 28 – November 1, 2013
Scottsdale Cottonwoods Resort
6160 N. Scottsdale Rd., Scottsdale AZ 85253
(480) 389-3447
www.scottsdalecottonwoods.com

Sponsor Training

ANNOUNCEMENTS
ATTENTION…CLASS FEES WILL BE INCREASING TO $120 FOR THE SPRING 2014 INSTITUTE. TAKE ADVANTAGE OF MEMBER DISCOUNTS BY REGISTERING WITH YOUR LOCAL CHAPTER.
BE SURE TO STOP BY THE ICC SHOW STANDS OPEN DAILY FROM 7 AM - 5:45 PM FOR END-OF-CODE SHOWS AND OTHER MATERIALS.
VISIT OUR SPONSOR VENDOR BOOTHS FOR LOTS OF INFORMATION AND GOODIES.
AZBO CENTRAL CHAPTER WILL HOST A DINNER AND COMEDY SHOW OCTOBER 28 AT 5:30 PM. PLEASE JOIN US FOR DINNER AS WE LISTEN TO MAJOR SCOTT P. LUNDY, TOWN OF PARADISE VALLEY, AND VICE PRESIDENT, BLDG. OFFICE OF CITY OF SCOTTSDALE. ENTERTAINMENT PROVIDED BY COMEDIAN BRIAN KAMIS. FOR MORE INFORMATION, PLEASE SEE PAGE 5.
VISIT OUR WEBSITE (WWW.AZBO.ORG) FOR MORE INFO ON HOW ADRESS CORGING.
LET US HELP YOU IN CASE OF AN EMERGENCY…PLEASE PROVIDE US WITH EMERGENCY CONTACT INFORMATION LISTED ON THE REGISTRATION PAGE.

Southwest Energy Codes Conference

11/10/2014
Support your local code organizations such as ICC State and Local Chapters – We are Platinum Sponsors Of AZBO’s Education Committee

Support with $$$

Support with your expertise
And knowledge of:
Marketing
Energy Use Data

SRP created the 2012 IECC Pocket Pal reference guide to the mandatory measures and released the master to AZBO
2012 IECC Compliance Paths
Session 205

IECC / HERS / RESNET
Understanding the Science, and
The alternative paths available.

(Identify issues and provide options)
Training that mixes the end users creates opportunities to talk about different methods of implementation that work in the real world.

Building Officials
Inspectors
Contractors
Sub-contractors
Architects
Plans Examiners
Engineers

You need to have people
That understand the codes,
And how they work in practice.
Provide Servant Leadership
Along the path you will find that your position in the community allows you to pull together Stakeholders, moderate their problem solving, And help them reach a mutually beneficial conclusion.

For the best customer service become engaged in the construction community.
Leveraging Energy Codes

Tracking the Savings Potential

• SRP monitors new construction and new accounts on our system in the jurisdictions where we have affected change.

• The new accounts are segregated by residential construction type and commercial NAICS code into the 16 categories that PNNL uses to study the impact of the newer versions of the IECC.

• SRP then develops the potential savings of the new projects with gross savings values that our third-party verifier developed for us in relation to the 16 PNNL categories. At this time that information is proprietary.
Summary

1. Be Real
   - Anyone evaluating your program should have no doubt that your companies actions moved the market.

2. Be Realistic
   - There is a delay time between when codes are adopted and when the structures are actually built.
   - Energy savings numbers are related to the quality of construction.

3. Keep Records
   - Clearly record a baseline assumption and document your efforts.

4. Practice Servant Leadership
   - Serve your customers by helping them resolve issues and work together to implement building energy codes.
1. Be Real
2. Be Realistic
3. Keep Records
4. Practice Servant Leadership

Practice Resource Stewardship