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Implementation and Enforcement of Codes in the United States

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Objectives



Green Codes

Implementation

Enforcement

Challenges

Support Activities

Green Codes and Standards

International Green Construction Code (IgCC)



Green Plumbing and Mechanical Code Supplement



CALGreen (California)



ASHRAE Standard 189.1



National Green Building Standard -ICC 700 (Residential)

Implementation Infrastructure

- **Statewide Adoption**
 - State establishes the model codes to be used
 - Developed through the State process with stakeholder participation
 - Consistency among jurisdictions benefits developers and professionals
- **Enforcement by local government**
 - Cities, Counties, Townships, etc.
 - Some flexibility in modifications to state code



Implementation Outreach



- Outreach efforts and stakeholder input
 - Essential for a successful adoption and implementation
 - Architects
 - Building owners
 - Building industry organizations
 - Technical/professional associations
 - Contractors/labor
- Regional coordination – important



Enforcement -Administration



- Enforcement of Green Codes
 - Within existing governmental structure
 - Separate division
 - New specialty, steep learning curve
 - Effective in making necessary adjustments
- Plan check process
 - Part of overall review
 - Separate Division
 - Internal routing of plans
 - Standard corrections

Enforcement -Administration

- Inspection process
 - Combination Inspectors (in-house)
 - Specialized inspections (in-house)
 - Special inspectors (outside agency)
- Independent Agencies –Third Party
 - Contract with local government
 - Provide plan review services
 - Provide inspection services



Enforcement



Keys to Success

- Staff training
- Attitude and customer service
- Continuous adjustments and enhancements
- Open Communication with Stakeholders
- Timely service
- Customer satisfaction

Challenges

Challenges

- Enforcement
 - Many new concepts
 - Non safety code requirements
- Building Commissioning
 - New to the regulatory community
 - Testing of systems
- Construction waste management
 - Non-building component



Challenges



- **Material efficiency**
 - Recycled, Indigenous, used
- **Low VOC**
 - Documentation
 - Material Availability
- **General contractors**
- **Building owners**

Activities

- **Compliance Documents**
 - Checklists, Templates, Forms
 - Guidelines, Commentaries
 - Standards
 - Evaluation of Products
 - Accreditation Criteria - IAS



Thank You

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