

City Council  
Transportation, Technology, and Infrastructure Committee  
Residential Energy Conservation Code 5%  
December 12, 2012



Public Works & Engineering  
Planning and Development Services  
Code Enforcement

# Code Change Language

## SECTION 110 INCREASED STANDARDS

**110.1 General.** For any permit application filed under this code, compliance with additional performance objectives for new construction shall be required to achieve a minimum ~~five~~ ten percent improvement in efficiency above the minimum provisions of this code.

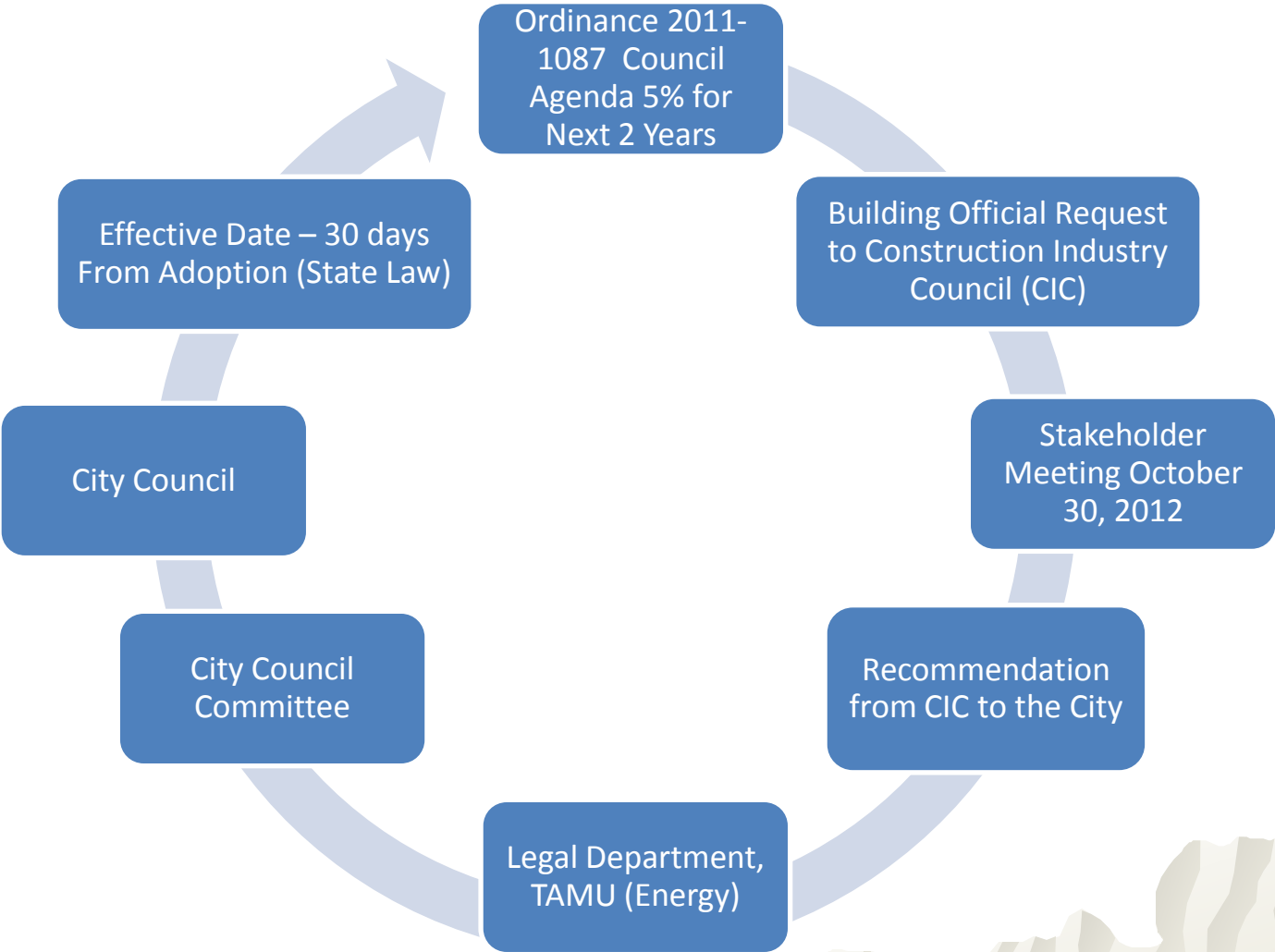
**110.2.3 Option packages.** Prescriptive option packages approved by Texas A&M Energy Systems Laboratory and listed in Table 110(1), Table 110(2), or Table 110(3) or subsequently approved by Texas A&M Energy Systems Laboratory and accepted and published by the code official.

# Construction Industry Council

## ◆ Associations:

Air Conditioning Contractors Association / **American Fire sprinkler Association**  
**Association of Chief Operating Engineers** / American Forest & Paper Association/  
American Society of Heating, Refrigeration and Air Conditioning Engineers  
**American Institute of Architects** / American Society of Plumbing Engineers /  
American Society of Sanitary Engineers / **Associated General Contractors** /  
**Associated Builders and Contractors** / Building Owners and Manager Association /  
Construction Specifications Institute / **Greater Houston Builders Association** /  
**Greater Houston Restaurant Association** / Gulf Coast Building & Construction  
Trades Association / **Houston Apartment Association** / Houston Area Glass  
Association / Houston Contractors Association / **Houston Real Estate Council** /  
Houston Sheet Metal Contractors Association / Independent Electrical Contractors /  
**Institute of Real Estate Management** / Mechanical Contractors Association /  
National Association of the Remodeling Industry / **National Electric Contractors**  
**Association** / National Fire Sprinkler Association / Plastic Pipe and Fitting Association /  
**Plumbing, Air Conditioning and Mechanical Contractors Association** / Plumbing  
Heating Cooling Contractors / **Society of Fire Protection Engineers** / Structural  
Engineers Association of Texas / Texas Electrical Safety Association / **Texas Fire**  
**Sprinkler Contractors Association** / Texas Institute of Building Design / Texas  
Society of Professional Engineers / **US Green Building Council** / City of Houston Code  
Enforcement / Houston Fire Department

# Energy Code Update Process



# Code Change 5 %

Keep 3 Methods of Compliance

Energy Star or Equivalent Program

Software and Testing

Option Packages – TAMU Future Calcs

# Code 2009 Residential Energy Conservation Code – Key Provisions



## CURRENT ABOVE CODE ITEMS TO REMAIN:

- 10% Above Code Required for All New Buildings  
With 3 Optional Methods for Compliance
- Leakage Testing is Required for all New Construction
- Window Solar SHGC) Lowered for Alternate Calculation
- Replacement Lighting to Meet Code

# Recommendation



Approve an ordinance to modify the City of Houston Residential Energy Conservation Code to increase energy efficiency by an additional 5% (to equal 10% total above code) for one and two family homes, townhouses and apartments up to three stories.