



2018 NYStretch- Energy – Residential WG

July 12, 2017

nbi new buildings
institute

All Rights Reserved © 2017 New Buildings Institute

Agenda

- 2:00 – 2:15 Welcome / Roll Call / Review Workgroup Objectives and Schedule - Jeff Domanski (IBTS) Jim Edelson (NBI)
- 2:15 – 2:30 2018 IECC and ERI discussion - Jim Edelson and Mark Lyles (NBI)
- 2:30 – 3:30 Residential NYStretch Measures and “Packages” - Scoping and Discussion - (NBI)
- 3:30 – 3:45 Additions and Remodels – (NBI)
- 3:45 – 4:00 Discussion and Wrap-up – Next Steps

Welcome and Roll Call

All Rights Reserved © 2017 New Buildings Institute

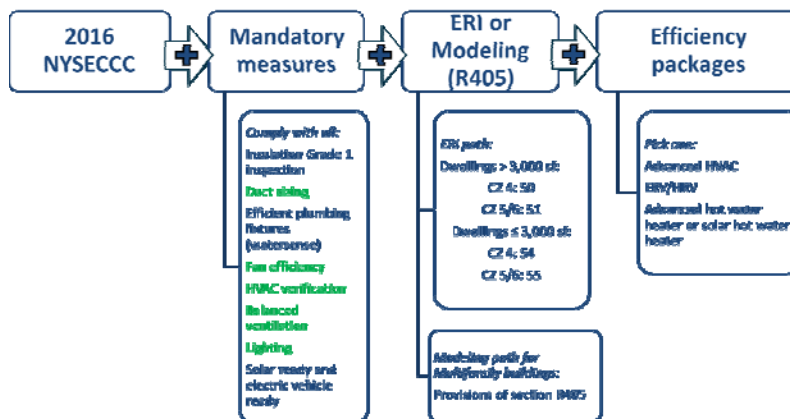
NY Stretch – Energy Objective

- NY Stretch Energy Objective – Provide readily-adoptable code language for local governments in NY that will deliver energy efficiency performance significantly above anticipated 2019 NYECC code

2018 NYStretch Development Process

- Advisory Group guidance - Make it rigorous but straightforward and achievable; backstop for best practices in building design/engineering
- Workgroups to propose, review and recommend code measures and language to the Advisory Committee / NYSERDA
- Iterative energy modeling to predict savings and fine-tune
- *NOTE: Separate from Green Code measures other than energy ("Framework" developed in previous cycle)*

2016 NYStretch-Energy Residential Structure Diagram



2016 Residential Results

- 14% savings (weighted average) both electric and gas
- Modeled HERS index (weighted average) dropped from 7-8 points from baseline to NYStretch home

Climate Zone	Baseline ERI (for 2015 prescriptive approach home)	NYStretch ERI (modeled; includes most NYStretch provisions)	Proposed NYStretch ERI for homes <3000SF	Proposed NYStretch ERI for 3000 SF+ home
4	63	55	54	50
5	64	56	54	50
6	62	55	54	50

2018 IECC and ERI Values

- 2018 proposal (RE173)
 - 2015 envelope “backstop” if taking credit for renewables
 - 2009 envelope “backstop” if not taking credit for renewables
- 2018 proposal (RE166) references ANSI/RESNET/ICC 301-2014
 - Gives credit for on-site power production
 - Defines renewables as solar, wind and biomass
- RESNET accepted comments on proposed standard amendment on HERS Index Size Adjustment Factors - BSR/RESNET/ICC 301-2014 Addendum E-201x, Draft PDS-03

Range of Residential Provisions

Jim and Mark – NBI
(refer to document that was circulated)

Wrap up and Next Steps

Timetable

MILESTONE	DATE
Kickoff	June 8, 2017
1 st round Technical Working Group meetings	June/July 2017
NYStretch-Energy Advisory Committee (Meeting 2) PRESENT DRAFT ENERGY ANALYSIS	August 10, 2017
2 nd Round of Technical Working Group Meetings	September/October 2017
NYStretch-Energy Advisory Committee (Meeting 3) PRESENT FINAL ENERGY ANALYSIS	November 9, 2017
NYStretch-Energy draft	December 2018
Legal review	January 2018
Public comment	February/March 2018
Toolkit updates	May 2018
Final NYStretch-Energy	May 2018