**Utah 2015 IECC Energy Codes**

Presented by Brent Ursenbach

Outline: Presentation of the 2015 IECC Energy Codes to include the following:

* Compliance Options
* Construction Documents
* Prescriptive Table
* 1st option Air Barrier & Insulation
* 2nd option Blower Door & third party verification
* Lighting
* Fenestration
* Duct Sealing
* Duct Leakage
* Equipment sizing

**Energy Rating Index (ERI) Compliance Method**

Presented by Paulette McGhie

Outline: What is the ERI Compliance Method & how the New Home builders can take advantage of the HERS Scores. To include:

* Energy Rating Compliance Method
* Utah ERI Scores
* What is the ERI?
* RESNET HERS Index
* ERI Rating Variables
* What most affects the ERI?
* ERI Verifications requires HERS Rater
* The ERI Path
* ERI Software (Remrate)
* ERI Calculation Inputs
* ERI Certification & Labeling
* How to improve the ERI Scores
* Who’s doing it?

**Net Zero Ready Homes**

Presented by Kevin Emerson

Outline: What is the DOE Net Zero Ready Homes Program & how to achieve it

* ZERH Minimum Requirements
* ZERH Sets the HERS Scores
* Performance Path
* High R Value Wall options
* Energy Star Windows
* Importance of duct locations
* Indoor Air Package
* Radon
* Low Emission Materials
* Water Sense
* Solar Ready

**Utah Utility Incentives for New Home Builders**

Presented by Matthew Meyer

Outline: Rocky Mountain Power & Dominion Utility Incentive Program for New homes builders

* Purpose of utility incentives
* Challenges of utility incentives
* Summary of available incentives
* Description of new direction in utility incentives and how they will make building energy efficient homes easier.

**Air Barrier Presentation**

Presented by Adam Rasmusen

I. What is an Air barrier?

a. Types of air barriers

b. Benefits of a continuous air barrier

c. Separating Conditioned Air vs Unconditioned Air

II. Building Envelope

a. Designed to keep air from Infiltrating into wall system

b. Thermal envelope & building performance

c. Air resistance – effects from air flow and heat load/loss

III. Impact Air tightness and Energy Efficiency

a. Air leakage – air pressure & air pathways

b. Sealing Penetrations

c. Improves durability of envelope

d. Saving money by maintaining R-Value

**Mechanical System Design & Commissioning**

**Presented by Greg Cobb**

After purchasing a new home, homeowners expect their new home to be more comfortable and energy efficient than their last home. Delivering on this expectation in a cost-effective manner requires proper mechanical system design and commissioning. In this session you will learn:

* Common challenges and myths with mechanical systems
* Mechanical system design and commissioning process
* HVAC load calculation basics (Manual J)
* HVAC equipment sizing basics (Manual S)
* HVAC duct design basics (Manual S)
* Controls overview
* Ventilation overview
* Mechanical system commissioning overview
* Best practices

**Risk Management**

Presented by Greg Cobb

Poor workmanship is the most common type of deficiency resulting in project delays , customer service issues, litigation and brand dilution. Why are these inspections important for:

* Foundations
* Waterproofing
* Weatherization
* Framing
* MEP Inspections
* Exterior Cladding
* Roofing
* Decks and Balconies
* Fit & Finish
* Safety
* Interior Drainage Plane
* Fire Rated Assemblies
* Sewer Scopes