

# ASPEN'S NEWEST ENERGY CODE

the 2015 Without the ERI

# City Council's Top 10 Goals

- #8 Pursue energy efficiency related code changes and complementary programs that will transform the energy use of buildings within the community.

# From the memo to council

“These codes and amendments support our community culture of energy efficiency, environmental responsibility, and innovation in building in the energy code development and administration.”

# IBC

406.6.2 – reference to IMC or alternate ventilation design  
appropriate to cold climate

420.7- EV charging stations

# IRC

R303.4 – amend to reference IMC

R309.6 – EV dedicated to panel

# IMC

202 – Add definition: **Balanced Ventilation System.** A mechanical ventilation system providing simultaneous outdoor airflow and exhaust airflow within 20% of each other.

403.3.2.1 – outdoor air Equation 4-9.

$$Q_r = ((0.01 \times A_{\text{floor}}) + [7.5 \times (N_{\text{br}} + 1)]) \times S_c$$

Exception: Continuous operation not required when operated for 1 hour each 4 hour period and airflow not less than required by 4-9.

# IECC-C

C402.5.1.2.1 – Blower door test required when gross area is  
> 9,000 sqft.

Exception: R2, R3, R4 or I1.

C402.5.7 – Vestibules required

Exception #6: Air curtain

C406.8 – Thermal envelope 15% better than 2015

C408 – Commissioning; Preliminary report, compliance checklist, acceptance, air barrier, documentation, field inspection and final report . (from 2018 IECC)

# IECC-R

R202 – Balanced ventilation and Equation 4-9.

R402.1.5 – Total UA Alternative; REScheck plus 2%.

Revise Table R402.1.2

R402.4.1.2 – Bring testing back as an option.

R403.6 – Mechanical ventilation mandatory as required IMC.

R403.6.2 – add Balanced Ventilation; HRV or ERV efficiency 65%.

R403.7 – Delete Equipment sizing.



# IECC-R

without ERI

R406 – delete ERI; add **Simplified Equivalent Compliance Alternative.**

R406.1 – AC capacity  $\leq$  1 ton per 1,000 sqft of conditioned space

Space heating  $\leq$  32,000 Btu/hr per 1,000

**See Aspen Commentary for specifics and examples.**

~~R406.2 – Equivalent hot water; design distance  $< 10$  ft in kitchens, bathrooms, with tub and/or shower, and room with clothes washer.~~

~~R406.3 – Equivalent lighting: lamps  $> 15$ w shall be CFL, LED or~~

~~\_\_\_\_\_  $> 90$  lumens/watt, or~~

~~\_\_\_\_\_ 90% of lamps or fixtures efficacy  $> 75$  lumens/watt.~~

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