OHIO ENERGY COMPLIANCE FLOWCHART (Nov 2011)

* As defined in the IECC

Occupancy?

All buildings other than Detached 1, 2, or 3 family dwellings and their accessory structures

Detached 1, 2, and 3 family dwellings and their accessory structures

Manufactured homes complying with 24CFR 3280 are exempted by OBC Chapter 1

Ohio Building Code (OBC) Chapter 13

Residential Code of Ohio (RCO) Chapter 11

ASHRAE 90.1-07
Scope of standard includes all buildings except ***low-rise residential*** structures meaning:
1. Groups A, B, E, F, H, I, M, S, and U
2. Group R-1
3. Multi-family structures (R-2, R-3, and R-4) > 3 stories above grade

IECC 2009

IECC 2006

RCO Section 1102.1: Simplified Prescriptive Method

RCO Section 1102.1.3: Total UA Alternative Method

RCO Section 1104 Ohio Prescriptive package

REScheck (select 2006 IRC as code)

Occupancy?

Commercial building* meaning:
1. Groups A, B, E, F, H, I, M, S, and U
2. Group R-1
3. Groups R-2 and R-4 if >3 stories above grade

Residential building* meaning:
1. Group R-3 (regardless of height)
2. Groups R-2 and R-4 if ≤ 3 stories above grade

IECC 2006 - Chapter 4
Mandatory Provisions (Sections 401, 402.4, 402.5, 402.6, and 403)

IECC Chapter 4 (402.1): Simplified Prescriptive

IECC Chapter 4 (402.1.4): Total UA Alternative Method (most popular)

IECC Chapter 4 (404): Simulated Performance Alternative

REScheck (select 2006 IECC as code)

REM/Design, REM/Rate, DOE-2, EnergyGuage USA, or other simulation tool that demonstrates code

Section 5.5: Prescriptive Envelope Option

Section 5.6: Envelope Tradeoff Option (allows trade-offs between envelope components only)

Sections 6-10: Prescriptive HVAC, Water Heating, Power, and Lighting requirements

Section 11: Energy Cost Budget Method-Whole Bldg Performance Option (allows trade-offs between all building systems)

COMcheck (select 2007 ASHRAE 90.1 as code)

BLAST, DOE-2, EnergyGuage Summit Premier, Trane Trace 700, Carrier HAP, or other simulation tool that demonstrates code compliance.

IECC 2009 Chapter 5

ASHRAE 90.1

Sections 502-505: Prescriptive Approach

Section 506: Total Bldg Performance

BLAST, DOE-2, EnergyGuage Summit Premier, Trane Trace 700, Carrier HAP, or other simulation tool that demonstrates code compliance.

IECC 2009 - Chapter 4
Mandatory Provisions (Sections 401, 402.4, 402.5, 403, and 404)

IECC Chapter 4 (402.1): Simplified Prescriptive

IECC Chapter 4 (402.1.4): Total UA Alternative Method (most popular)

IECC Chapter 4 (405): Simulated Performance Alternative

REScheck (select 2009 IECC as code)

REM/Design, REM/Rate, DOE-2, EnergyGuage USA, or other simulation tool that demonstrates code compliance.