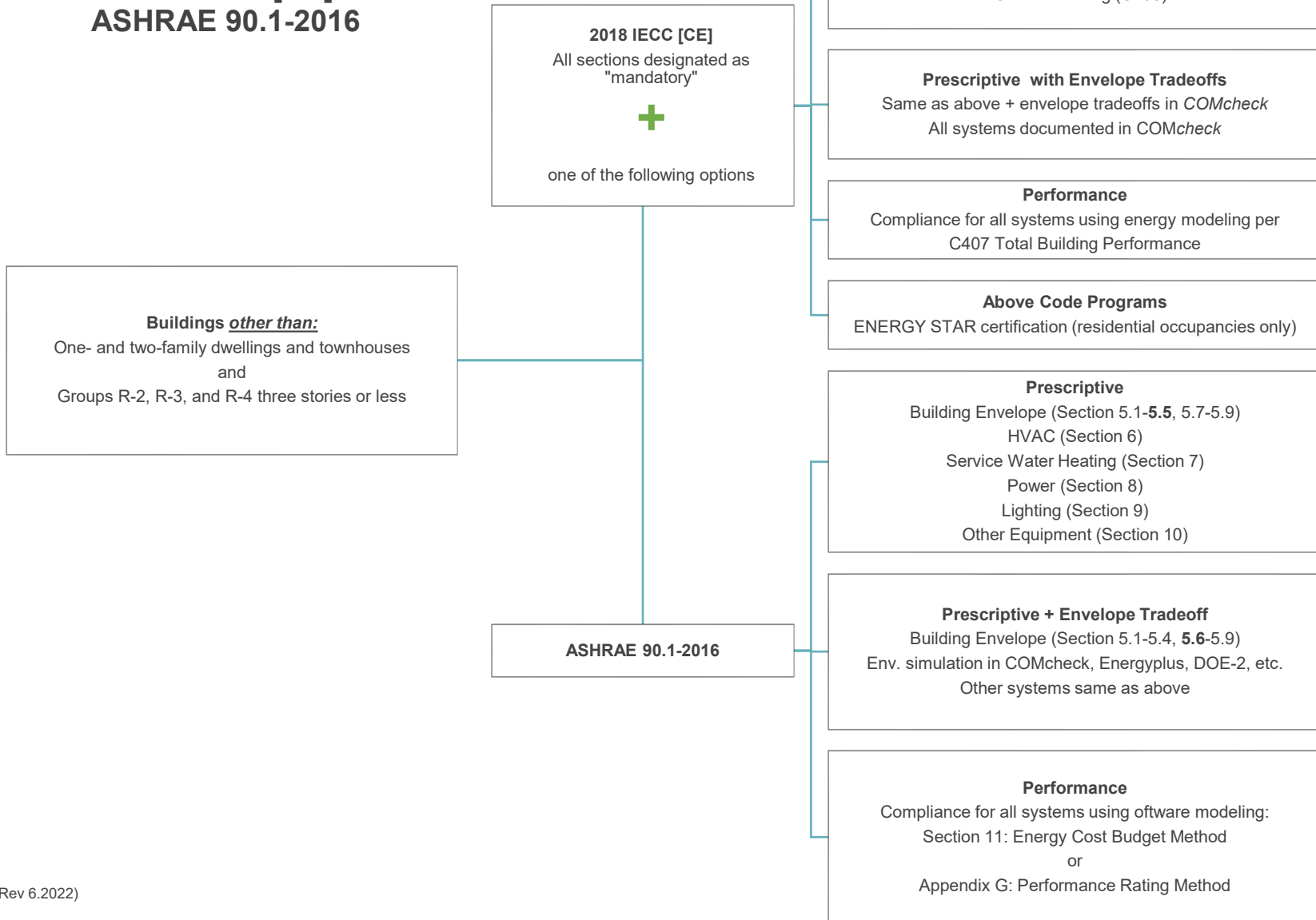


IBC Scope/IECC Commercial 2018 IECC [CE] ASHRAE 90.1-2016



IBC Scope/IECC Residential 2018 IECC [RE]

One- and two-family dwellings and townhouses four or more stories and Groups R-2, R-3, and R-4 three stories or less

2018 IECC [RE]
All sections designated as mandatory (below)

+

one option to the right

Mandatory requirements:
Certificate (R401.3)
Air leakage (R402.4 with Local Amendments)
Controls (R403.1)
Duct sealing (R403.3.2)
Duct testing (R403.3.3)
Building cavities (R403.3.5)
Mechanical system pipe insulation (R403.4)
Heated water circulation and temperature maintenance systems (R403.5.1)
Mechanical ventilation (R403.6)
Equipment sizing and efficiency rating (R403.7)
Systems serving multiple dwelling units (R403.8)
Snow melt and ice system controls (R403.9)
Pools and permanent spas (R403.10)
Portable spas (R403.11)
Lighting equipment (R404.1)

Prescriptive
Building Thermal Envelope (R402)
Systems (R403)
Electric Power & Lighting (R404)

Prescriptive with Envelope Tradeoffs
Same as above +
Envelope tradeoffs in **REScheck**

Performance
Simulated Performance Alternative (R405)
Software modeling in REM/Rate or Ekotrope

Energy Rating Index
HERS Index ≤ 62
Software modeling in REM/Rate or Ekotrope

Above code programs
ENERGY STAR certified
or
PECO New Home Rebates approved

IRC Scope Buildings

2018 IECC [RE]

One- and two-family dwellings, townhouses
three stories or less

2018 IECC [RE]
All sections designated as mandatory (below)

+

one option to the right

Mandatory requirements:
 Certificate (R401.3)
 Air leakage (R402.4)
 Controls (R403.1)
 Duct sealing (R403.3.2)
 Duct testing (R403.3.3)
 Mechanical system pipe insulation (R403.4)
 Heated water circulation and temperature maintenance systems (R403.5.1)
 Mechanical ventilation (R403.6)
 Equipment sizing and efficiency rating (R403.7)
 Systems serving multiple dwelling units (R403.8)
 Snow melt and ice system controls (R403.9)
 Pools and permanent spas (R403.10)
 Portable spas (R403.11)
 Lighting equipment (R404.1)

Prescriptive
 Building Thermal Envelope (R402)
 Systems (R403)
 Electric Power & Lighting (R404)

Prescriptive with Envelope Tradeoffs
 Same as above +
 Envelope tradeoffs in *REScheck*

Performance
 Simulated Performance Alternative (R405)
 Software modeling in REM/Rate or Ekotrope

Energy Rating Index
 HERS Index ≤ 62
 Software modeling in REM/Rate or Ekotrope

Above code programs
 ENERGY STAR certified
 or
 PECO New Home Rebates approved