



What are the Requirements?

Projects complying with the prescriptive pathway in the 2022 Denver Energy Code (DEC) must comply with code requirements C402, C403, C404, C405, and the amended C406 Additional Energy Efficiency Credit Requirements. Projects must achieve the number of credits in Table C406.1(2) by meeting the credit requirements in Table C406.1(1). There is a reduced threshold for all-electric properties which have no permanently installed fuel appliances or equipment.

The [2022 Denver Energy Code Prescriptive Checklist](#) includes the C406 planning tool to help teams select credits. The permit submission must include the [2022 Denver Energy Code Prescriptive Checklist](#) with C406 planning tool, demonstration of compliance with COMcheck or supplemental documents, and the COMcheck inspection checklists. Use COMcheck for 2021 IECC with supplemental documentations in the interim before COMcheck for the 2022 Denver Energy Code is available, anticipated fall 2023.

The table describes the different credit options and if they are documented in COMcheck for 2021 IECC or if they require Denver-specific documentation.

2022 DEC Table C406.1 Additional Efficiency Credits with Compliance Documentation	
Section	COMcheck 2021 IECC or Denver Specific
C406.2.1: 5% Heating Efficiency Improvement	COMcheck
C406.2.2: 5% Cooling Efficiency Improvement	COMcheck
C406.2.3: 10% Heating Efficiency Improvement	COMcheck
C406.2.4: 10% Cooling Efficiency Improvement	COMcheck
C406.2.5: >10% Cooling Efficiency Improvement	Denver-Specific
C406.2.6: >10% Heating Efficiency Improvement	Denver-Specific
C406.3: Reduced Light Power	COMcheck with Denver-Specific instructions
C406.3.2: Reduced lighting power by 15%	COMcheck with Denver-Specific instructions
C406.3.2: Reduced lighting power by >15%	COMcheck with Denver-Specific instructions
C406.4: Enhanced Digital Light Ctrl	COMcheck
C406.5.1: Basic Renewable Credit.	COMcheck
C406.5.2: Enhanced Renewable Credit	Denver-Specific
C406.6: Dedicated OA Sys (DOAS)	COMcheck
C406.7.2: Recovered/Renew SWH ^b	COMcheck
C406.7.3: Efficient fossil fuel SWH ^b	COMcheck
C406.7.4: Heat Pump SWH ^b	COMcheck
C406.8.1: Reduced envelope UA	COMcheck with Denver-Specific instructions
C406.8.2: Further reduced envelope UA	COMcheck with Denver-Specific instructions
C406.9.1: Reduced Air Infiltration	COMcheck
C406.9.2: Further Reduced Air Infiltration	Denver-Specific - threshold only
C406.10: Energy Monitoring	COMcheck
C406.11: Fault Detection	COMcheck
C406.12: Efficient Kitchen Equipment	COMcheck
C406.13: All-Electric Space Heating	Denver-Specific
C406.13: All-Electric Space Heating	Denver-Specific
C406.14: Cold Climate Heat Pumps	Denver-Specific
C406.15: All-Electric Water Heating	Denver-Specific
C406.16: Demand Responsive Thermostats	Denver-Specific
C406.17.1: Reduced Fan Power	Denver-Specific
C406.17.2: Further Reduced Fan Power	Denver-Specific

Why is this Important?

The 2022 DEC alters C406 Additional Efficiency Package Options so that the prescriptive pathway better aligns with Denver's climate goals and the performance pathway amendments. This amendment also incentivizes electrification by reducing the number of credits all-electric properties must achieve for compliance.

What is the Climate Impact?

The 2022 Denver Energy Code is anticipated to reduce operational carbon emissions for commercial new construction by 15% over the 2021 IECC. C406:

- Reduces operational carbon emissions by 4.1%
- Aligns this pathway with the performance pathway
- Incentivizes electrification
- Aligns with Denver's climate goals