

2022 Denver Energy Code - Training Q&A

Commercial Prescriptive 5/31/2023



Question	Answer
Is it allowed to partially comply with the prescriptive path and partially comply with the performance method? i.e., can HVAC systems be excluded from an energy model calculation as long as it complies prescriptively?	The project must pick a single compliance path for the entire design. Therefore, the example of HVAC via prescriptive but the rest following performance is not allowed.
Will be COMcheck forms available that are specific for 2022 Denver Energy Code?	We are anticipating COMcheck for the 2022 Denver Energy Code to be available fall of 2023.
Why is there such a large gap between Multifamily and Hospitality EUI targets? These are very similar building types.	The details about methodology for Energize Denver 2030 EUI targets is described at denvergov.org/energizedenver
Why is there such a large gap between Multifamily and Hospitality EUI targets? These are very similar building types.	To determine the final EUI targets, the city used ENERGY STAR Portfolio Manager building types from the annual benchmarking submissions and then determined the target EUI for each building type to reach the city's goals.
where is the planning tool for credits located?	It is a part of the 2022 Commercial Prescriptive Checklist. It can be found here: https://www.denvergov.org/Government/Agencies-Departments-Offices/Agencies-Departments-Offices-Directory/Community-Planning-and-Development/Building-Codes-Policies-and-Guides#section-2
C403.5 in the 2022 Denver amendments states that exception 7 of 2021 IECC is deleted which is VRF systems w/ DOAS units. How are fan coil units on VRF systems supposed to comply when greater than 33,000 Btuh?	<i>Answered Live (see recording)</i>
C403.5 in the 2022 Denver amendments states that exception 7 of 2021 IECC is deleted which is VRF systems w/ DOAS units. How are fan coil units on VRF systems supposed to comply when greater than 33,000 Btuh?	The Errata for approval by City Council in June restored exception #7 for C403.5
Does the economizer exception for zones with open refrigeration cases still hold?	Exception #4 for C403.5 was not amended. The systems serving supermarket areas with open refrigerated casework is exempt.
The presentation indicated that electric reheat in VAV systems is still permitted, but it's not clear in C403.2.4 that electric reheat is exempt from the prohibition on electric resistance space heating equipment. Is electric reheat in VAV systems subject to the 5 W/SF limitation in Exception 5?	Electric reheat with VAV can be used with the 5 W/sf budget in C403.2.4 Exception 5.
If we are to measure, monitor, record and report electrical consumption, who are we actually reporting this data too? If we are NOT actually reporting it, then why are we enforcing this requirement?	C405.12 is part of IECC-2021 base code to provide owners and operators diagnostic tools. Additionally, it sets buildings 25,000 sf and larger up for success with Energize Denver benchmarking requirements during operation. https://denvergov.org/Government/Agencies-Departments-Offices/Agencies-Departments-Offices-Directory/Climate-Action-Sustainability-Resiliency/High-Performance-Buildings-and-Homes/Energize-Denver-Hub/Buildings-25000-sq-ft-or-Larger/Benchmarking-Requirements

C405.15 do we need a reserved 3-pole space for each fossil fuel appliance connected to that panel?	Fossil fuel appliances and equipment listed in C405.15 will require a reserved 3-pole space for each fuel appliance in a panel capable of handling the future electrification load.
What if a building has a single-phase service? Will provisions for a 3-Ph circuit still be required for converting to an electric water heater?	If the building is single-phase, the provisioning requirement will be calculated the same, based on the required kW. The conduit and wire size will be sized based on that kW load as fed from a single-phase panel.
If we were to design a building that complies with the 2023 prescriptive path, but ultimately after a year or two of operation has a higher EUI than the 2030 target, would the building be expected to do further energy conserving measures to meet the EUI target by 2030?	Buildings do need to perform to meet Energize Denver Performance Requirements for 2030. Please visit this website to explore how a building can work with Denver to meet the Energize Denver targets. https://denvergov.org/Government/Agencies-Departments-Offices/Agencies-Departments-Offices-Directory/Climate-Action-Sustainability-Resiliency/High-Performance-Buildings-and-Homes/Energize-Denver-Hub/Buildings-25000-sq-ft-or-Larger/Performance-Requirements For specific questions about how to comply with Energize Denver, you may email energizedenver@denvergov.org or call the Energize Denver helpdesk (844)-536-4528
By "Colorado registered design professional or approved agency", is there a specific resource one could reference for applying as a Commissioning Agent?	<i>Answered Live (see recording)</i>
By "Colorado registered design professional or approved agency", is there a specific resource one could reference for applying as a Commissioning Agent?	Commissioning must be done by licensed professional or approved agency An "approved agency" responsible for the execution of the commissioning process must have at least one of the following qualifications: At least two years of experience commissioning projects of a similar scale and complexity and a licensed professional engineer designation in the State of Colorado; A building commissioning certification from an ISO/IEC 17024-accredited agency or another entity that certifies building commissioning professionals; Staff credentials recognized by the Building Commissioning Association, such as the Certified Commissioning Professional (CCP) or equivalent.
for a packaged air-to-air heat pump system, is a fossil fuel furnace still permitted as backup when the heat pump can no longer meet the space load?	<i>Answered Live (see recording)</i>
Between now and January 2024 can we still use tank type electric water heaters? And after Jan 2024 heat pump water heaters will be required correct?	<i>Answered Live (see recording)</i>
How are the CE credits being issued for these training calls?	<i>Answered Live (see recording)</i>
Does Denver publish their own Com Check or is comcheck still through department of energy?	<i>Answered Live (see recording)</i>
Does the city have a general idea how a building following the prescriptive requirements compares to the the 2030 EUI targets? I.E. if we follow the prescriptive path, is it likely or unlikely that further energy conservation measures would be required within the next 7 years.	<i>Answered Live (see recording)</i>
will we also get access to this powerpoint? or just the video and Q and A?	<i>Answered Live (see recording)</i>
Will C405.15 requirements be added to the Prescriptive checklist? Not seeing it currently.	<i>Answered Live (see recording)</i>

<p>3 parter: could you review the electrification for space heating prohibited equipment limited exceptions (*)? As well as the solar ready zone requirements? Are you aware of other jurisdictions planning to follow suit or than Denver used as a model?</p>	<p>https://energyoffice.colorado.gov/climate-energy/energy-policy/building-energy-codes/energy-code-board</p>
<p>3 parter: could you review the electrification for space heating prohibited equipment limited exceptions (*)? As well as the solar ready zone requirements? Are you aware of other jurisdictions planning to follow suit or than Denver used as a model?</p>	<p>Scroll to bottom for webinar links sign up</p>
<p>Does C406 Additional Energy Efficiency apply to existing buildings?</p>	<p><i>This was answered live, however we cropped it out of the recording to provide a clearer answer here. Additions to existing buildings will use section C406. Tenant-finish in a non-previously occupied space will use C406.1.1 to achieve a minimum of 10 credits.</i></p>