# AMENDMENT PROPOSAL

Please provide all the following items in your amendment proposal.

<table>
<thead>
<tr>
<th>Code Sections/Tables/Figures Proposed for Revision:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instructions: If the proposal is for a new section, indicate (new), otherwise enter applicable code section.</td>
</tr>
</tbody>
</table>

701.6

<table>
<thead>
<tr>
<th>Proposal:</th>
</tr>
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<tbody>
<tr>
<td>Instructions: Show the proposal using <strong>strikeout</strong> underline format.</td>
</tr>
<tr>
<td>Place an “X” next to the choice that best defines your proposal: <em>X</em> Revision <em>X</em> New Text __ Delete/Substitute __ Deletion</td>
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</tbody>
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701.6 (7.6) Zero Net Energy Approach

Achieve and document Zero Net Energy performance where, on an annual basis, the energy consumed on site by the building project is less than the energy produced by an on-site renewable energy system in accordance with this section. Buildings shall be provided with an onsite renewable energy system(s) capable of annual renewable energy production no less than the annual energy use of the building as calculated in accordance with Section C407 of the Denver Energy Code. System specifications and system renewable energy production calculations demonstrating that the system meets the requirements of this section shall be included in the construction documents in accordance with C103.2 of the Denver Energy Code. Only all-electric buildings are eligible for this approach.

Exception: Where: (1) Verifiable documentation has been provided to the code official demonstrating that the site does not have sufficient physical space for an onsite renewable energy system that meets the requirements of this section and, (2) Documentation has been submitted to the code official showing that the building is provided with any combination of off-site and onsite renewable energy system(s) sized to meet the requirements of this section and in accordance with the following:

1.1. For off-site solar owned by the building owner, proof of ownership and documentation of the kWh delivered each year shall be provided in order to receive the certificate of occupancy.

1.2. For financial renewable energy power purchase agreements and physical renewable energy power purchase agreements documentation of the following shall be provided with the construction documents:

1.2.1. kWh delivered each year.

1.2.2. The contract, subscription, lease, or purchase of a share in either a voluntary renewable energy program offered by Xcel Energy, or a renewable energy facility for which a dedicated renewable energy resource located in Public Service Company of Colorado territory is dedicated for that customer program, and which has dedicated customer capacity or energy to fulfill
that customer's subscription. The term of purchase shall be no less than five (5) years and must be renewed a minimum of 
every five (5) years for the life of the building for purposes of compliance with this rule. In addition to self-certification of 
the contract the kWh delivered each year under the contract shall be reported.

The code official may request copies of contracts to verify compliance.

**701.6.1 (7.6.1) Design**
Prior to issuance of the building permit, submit documentation that the design is capable of achieving zero net energy performance as defined by this option.

**701.6.2 (7.6.2) Documentation**
Within 24 months of the issuance of the certificate of occupancy, provide documentation of a continuous 12-month period where energy consumed on site by the building project is less than the energy produced by an off-site or on-site renewable energy system.

**701.6.2.1 Occupancy**
Documentation shall include the percentage of occupancy. Where the building has less than 100% occupancy during the compliance period, onsite renewable energy consumption and off-site renewable energy consumption shall be prorated by actual occupancy during the compliance period for the purposes of determining occupancy.

**Supporting Information**
All proposals must include a written explanation and justification as to how they address physical, environmental, and/or customary characteristics that are specific to the City and County of Denver. The following questions must be answered for a proposal to be considered.

- **Purpose:** What does your proposal achieve?: This proposal requires the DGC Zero Net Energy path to acquire 100% of their annual energy consumption from onsite or off-site renewable energy.

- **Reason:** Why is your proposal necessary? Denver’s 100% Renewable Electricity Action Plan sets a goal that renewable electricity will provide 100% of new building energy use for buildings permitted under the code by 2030. The current DGC ZNE path only allows for on-site renewables to achieve this path. This proposal adds an exception to allow for off-site renewables if a project can prove it does not have sufficient physical space for onsite renewables.

- **Substantiation:** Why is your proposal valid? (i.e. technical justification): This proposal requires the DGC Zero Net Energy path to acquire 100% of their annual energy consumption from renewable energy. The proposal is structured to provide alternate off-site renewable option for buildings that cannot physically accommodate an onsite renewable energy system. Recognizing the carbon emission impact that building electrification will have in new buildings, this path is only available to all-electric buildings. In order to ensure that the building is truly unable to achieve zero energy with an onsite energy system and that the offsite renewable energy production is reasonably equivalent to a code-compliant on-site system, the code section is structured to require code official determination of eligibility and equivalency. CPD will issue an administrative rule clearly defining the basis for that determination.

**Bibliography and Access to Materials** (as needed when substantiating material is associated with the amendment proposal):

**Other Regulations Proposed to be Affected**
*For proposals to delete content from the 2019 Denver Green Code in conjunction with adding it to other mandatory Denver codes and/or regulations, only.*
Please identify which other mandatory codes or regulations are suggested to be updated (if any) to accept relocated content.

**Referenced Standards**
List any new referenced standards that are proposed to be referenced in the code.

**Impact**
How will this proposal impact cost and restrictiveness of code? ("X" answer for each item below)

<table>
<thead>
<tr>
<th></th>
<th>Increase</th>
<th>Decrease</th>
<th>No Impact</th>
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<tbody>
<tr>
<td>Cost of construction:</td>
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<tr>
<td>Cost of design:</td>
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<td>Restrictiveness:</td>
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4/14/21