



## 2021 IECC Commercial Compliance Path Selection Form

Complete and submit this form with your Commercial Building Permit Application to identify the proposed Energy Conservation Compliance path for your project.

### Property Information

Provide the full address of property.

**A**

Property Address: \_\_\_\_\_

### 2021 IECC—Commercial Compliance Path Selection

Affirm the selected energy compliance path under the 2021 International Energy Conservation Code for Commercial Structures.

**B**

Choose one (1) of the following compliance paths under the 2021 IECC or ASHRAE 90.1 methods for commercial structures:

#### 2021 International Energy Conservation Code—Commercial Structures

- Prescriptive Method
- Prescriptive Method with Envelope Tradeoffs (Section C402.1.5)
- Total Building Performance Method (Section C4012.1, Item #2)\*
- Above Codes Program (Section C102.1.1)\*

#### 2021 International Energy Conservation Code—Commercial Structures: ASHRAE 90.1 Compliance

- Prescriptive (ASHRAE 90.1, Section 5.1-5.5 & 5.7-5.9)\*
- Prescriptive with Envelope Trade-offs (ASHRAE 90.1, Sections 5.1-5.4 & 5.6-5.9)\*
- Performance Method: Energy Cost Budget Modeling (ASHRAE 90.1, Section 11)\*
- Performance Rating Method (ASHRAE 90.1, Appendix G)\*

\*Where Compliance Method is selected, skip Sections C thru G, and complete the Declaration & Signature section.

### Commercial Building Permit Credits (C406.1)

Complete this table where utilizing any of these additional energy efficiency credits under the Prescriptive Compliance Path.

Where credit is selected, you must also complete and submit **Commercial Building Supplemental Form P\_047\_F** with your Commercial Permit application.

\* Submit ComCheck Analysis Report with additional credit eligibility for credit package selection.

\*\*Where a building contains multiple-use groups, credits from each use group shall be weighted by floor area of each group under Section F of this form.

<sup>a</sup> ComCheck Design Analysis (or equivalent calculations) shall be included with this form to demonstrate compliance.

<sup>b</sup> Air Leakage Test Results shall be included with this form to demonstrate reduced air infiltration rates.

**C**

### Additional Energy Efficiency Package Requirements – Commercial Building Permit

Identify the occupancy group and all additional energy efficiency package utilized for the Commercial Building Permit to comply with credit requirements in this table.

Efficiency Categories	Number of Efficiency Credits per Package					Efficiency Credits
	<input type="checkbox"/> Group B	<input type="checkbox"/> Group R & I	<input type="checkbox"/> Group E	<input type="checkbox"/> Group M	<input type="checkbox"/> Other Occupancy	
<input type="checkbox"/> Multiple occupancy use groups are proposed. Complete Section E to calculate adjusted total eligible credits**.						
<input type="checkbox"/> Project is associated with a tenant space where building has not complied with additional energy efficiency credit requirements using options C406.5, C406.8 or C406.9, a minimum of <b>five (5) credits</b> is being achieved through credit options C406.2, C406.3, C406.4, C406.6, C406.7 or C406.10.						
<input type="checkbox"/> Reduced Lighting Power (C406.3) <sup>a</sup> <i>Complete commercial building supplemental form Section B Part 1.</i>	8	2	8	15	8	_____
<input type="checkbox"/> Reduced Lighting Power > 15% (C406.3.1) <sup>a</sup> <i>Complete commercial building supplemental form Section B Part 2, and COMcheck Analysis Report.</i>	*AEECLPA _____	*AEECLPA _____	*AEECLPA _____	*AEECLPA _____	*AEECLPA _____	_____
<input type="checkbox"/> On-Site Renewable Energy (C406.5) <sup>a</sup> <i>Complete commercial building supplemental form Section C.</i>	9	7	6	8	8	_____
<input type="checkbox"/> Enhanced Renewable Energy (C406.5.2) <sup>a</sup> <i>Complete commercial building supplemental form Section C, and COMcheck Analysis Report.</i>	*AEECRRa _____	*AEECRRa _____	*AEECRRa _____	*AEECRRa _____	*AEECRRa _____	_____
<input type="checkbox"/> Enhanced Envelope Performance (C406.8) <sup>a</sup> <i>Complete commercial building supplemental form Section D.</i>	7	4	1	6	5	_____



**Mechanical Permit Credits (C406.1)**

Complete this table where utilizing any of these additional energy efficiency credits.

Where credit is selected, you must also complete and submit **Mechanical Supplemental Form P\_048\_F** with your Mechanical Permit application.

\* Submit ComCheck Analysis Report with additional credit eligibility for credit package selection.

\*\*Where a building contains multiple-use groups, credits from each use group shall be weighted by floor area of each group to determine the weighted average building credit. Complete Section F.

a. For schools with showers or full-service kitchens.

b. For occupancy groups listed in Section C406.7.1.

c. ComCheck Design Analysis (or equivalent calculations) shall be included with this form to demonstrate compliance.

**D**

**Additional Commercial Energy Efficiency Package Requirements – Mechanical Systems**

Identify the occupancy group and all additional energy efficiency package utilized for the Mechanical System to comply with credit requirements in this table.

Efficiency Categories	Number of Efficiency Credits per Package					Efficiency Credits
	<input type="checkbox"/> Group B	<input type="checkbox"/> Group R & I	<input type="checkbox"/> Group E	<input type="checkbox"/> Group M	<input type="checkbox"/> Other Occupancy	
<input type="checkbox"/> Multiple occupancy use groups are proposed. Complete section E to calculate adjusted total eligible credits**.						
<input type="checkbox"/> Project is associated with a tenant space where building has not complied with additional energy efficiency credit requirements using options C406.5, C406.8 or C406.9, a minimum of <b>five (5) credits</b> is being achieved through credit options C406.2, C406.3, C406.4, C406.6, C406.7 or C406.10.						
<input type="checkbox"/> 5% Heating Efficiency Improvement (C406.2.2) <sup>c</sup> <i>Complete mechanical supplemental form Section B.</i>	N/A	1	1	1	1	_____
<input type="checkbox"/> 5% Cooling Efficiency Improvement (C406.2.2) <sup>c</sup> <i>Complete mechanical supplemental form Section B.</i>	3	1	2	2	2	_____
<input type="checkbox"/> 10% Heating Efficiency Improvement (C406.2.3) <sup>c</sup> <i>Complete mechanical supplemental form Section B.</i>	N/A	1	2	2	2	_____
<input type="checkbox"/> 10% Cooling Efficiency Improvement (C406.2.4) <sup>c</sup> <i>Complete mechanical supplemental form Section B.</i>	5	2	4	4	4	_____
<input type="checkbox"/> Cooling Efficiency Improvement > 10% (C406.2.5) <sup>c</sup> <i>Complete mechanical supplemental form Section B, and COMcheck Analysis Report.</i>	*EE <sub>CHEC</sub> _____	*EE <sub>CHEC</sub> _____	*EE <sub>CHEC</sub> _____	*EE <sub>CHEC</sub> _____	*EE <sub>CHEC</sub> _____	_____
<input type="checkbox"/> Efficient Kitchen Equipment (C406.12) <i>Complete mechanical supplemental form Section C, and COMcheck Analysis Report</i>	N/A	N/A	N/A	N/A	*AE <sub>EC<sub>K</sub></sub> _____	_____
<input type="checkbox"/> Dedicated Outdoor Air (C406.6) <i>Complete mechanical supplemental form Section D.</i>	5	6	N/A	3	5	_____
<input type="checkbox"/> Recovered or Renewable Water Heating (C406.7.2) <i>Complete mechanical supplemental form Section E.</i>	N/A	14	1 <sup>a</sup>	N/A	14 <sup>b</sup>	_____
<input type="checkbox"/> Efficient Fossil Fuel Water Heater (C406.7.3) <i>Complete mechanical supplemental form Section E.</i>	N/A	8	2 <sup>a</sup>	N/A	8 <sup>b</sup>	_____
<input type="checkbox"/> Heat Pump Water Heater (C406.7.4) <i>Complete mechanical supplemental form Section E.</i>	N/A	5	1	N/A	5 <sup>b</sup>	_____



**Inspections - Post Permit Issuance**

Complete this table where utilizing any of these additional energy efficiency credits.

Where credit is selected, you must also complete **Inspections Supplemental Form V\_007\_F** and submit to your inspector prior to final inspection.

\*Where a building contains multiple-use groups, credits from each use group shall be weighted by floor area of each group to determine the weighted average building credit. Complete Section F.

**E**

**Additional Energy Efficiency Package Requirements - Inspections**

Identify the occupancy group and all additional energy efficiency packages utilized for project design to comply with credit requirements:

Efficiency Categories	Number of Efficiency Credits per Package					Efficiency Credits
	<input type="checkbox"/> Group B	<input type="checkbox"/> Group R & I	<input type="checkbox"/> Group E	<input type="checkbox"/> Group M	<input type="checkbox"/> Other Occupancy	
<input type="checkbox"/> Multiple occupancy use groups are proposed. Complete section E to calculate adjusted total eligible credits*.						
<input type="checkbox"/> Project is associated with a tenant space where building has not complied with additional energy efficiency credit requirements using options C406.5, C406.8 or C406.9, a minimum of <b>five (5) credits</b> is being achieved through credit options C406.2, C406.3, C406.4, C406.6, C406.7 or C406.10.						
<input type="checkbox"/> Energy Monitoring (C406.10) <i>Complete inspection supplemental form Section B.</i>	3	1	3	4	3	_____
<input type="checkbox"/> Reduced Air Infiltration (C406.9) <i>Complete inspection supplemental form Section C.</i>	8	7	N/A	3	6	_____
<input type="checkbox"/> Enhanced Digital Lighting Controls (C406.4) <i>Complete inspection supplemental form Section D.</i>	2	N/A	2	4	2	_____
<input type="checkbox"/> Fault Detection and Diagnostics System (C406.11) <i>Complete inspection supplemental form Section E.</i>	1	1	1	1	1	_____

**Multiple Occupancy Use Group Credits**

Use the table to calculate the adjusted total eligible credits based on credit selection and floor area-aggregation of each occupancy group for are-weighted analysis as required per 2021 IECC, Section C406.1 of efficiency credits calculated from sections C thru E.

\*\*COMcheck additional efficiency credit analysis report can be submitted in lieu of Section F analysis. Identify adjusted total credits.

**F**

**Multiple Occupancy Use Group Adjusted Credit Calculation\*\***

Occupancy Group	Occupancy Group Area (sf) = {A <sub>N</sub> }	Total Credits for Selected Packages under Occupancy Group = {B <sub>N</sub> }	Area (sf) * Total Credits {C <sub>N</sub> } = {A <sub>N</sub> * B <sub>N</sub> }	Adjusted Total Credits {D <sub>N</sub> } = {C <sub>N</sub> / ΣA <sub>N</sub> }
Group B				
Group R & I				
Group E				
Group M				
Other Occupancy				
<b>Total</b>	ΣA <sub>N</sub> = _____ sf			ΣD <sub>N</sub> = _____ ≥ 10 credits*

\*Where the project is associated with a **tenant space** where building has not complied with additional energy efficiency credit requirements using options C406.5, C406.8 or C406.9, a minimum of **five (5) credits** is being achieved through credit options C406.2, C406.3, C406.4, C406.6, C406.7 or C406.10.

**Total Number of Credits**

Enter the total number of efficiency credits calculated from sections R - F.

**G**

**Total Number of Credits**

Total Number of Credits Selected = \_\_\_\_\_ ≥ 10 credits\*

\*Where the project is associated with a **tenant space** where building has not complied with additional energy efficiency credit requirements using options C406.5, C406.8 or C406.9, a minimum of **five (5) credits** is being achieved through credit options C406.2, C406.3, C406.4, C406.6, C406.7 or C406.10.

**Declaration & Signature**

I hereby certify that the information contained herein are true and correct to the best of my knowledge and belief.

Design Professional Name: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Design Professional Signature: \_\_\_\_\_

Date: \_\_\_\_\_