



# City of Lancaster

## Commercial Energy Compliance Path

Submit with application for a building permit  
For New Construction, Additions and 1<sup>st</sup> Time Finish Outs Submitted

Project Address: \_\_\_\_\_

Commercial Buildings Compliance Path (one of the following):

**Option #1a - ASHRAE 90.1 (2013) Prescriptive:** Section 5 through Section 10 (May use COMcheck™ to demonstrate compliance)

- |                                   |                              |
|-----------------------------------|------------------------------|
| Section 5 – Building Envelope     | Section 8 – Power            |
| Section 6 – HVAC                  | Section 9 – Lighting         |
| Section 7 – Service Water Heating | Section 10 – Other Equipment |

**Option #1b - ASHRAE 90.1 (2013) Section 11 Energy Cost Budget Method:** Section 5.4, 6.4, 7.4, 8.4, 9.4 and 10.4; design energy cost (Section 11.5) ≤ energy cost budget (Section 11.4); and energy efficiency level of components specified meet or exceed energy efficiency levels used to calculate energy costs

**Option #2 - IECC Prescriptive:** C402 through C405, plus C406 or C406.1.1 (May use COMcheck™ to demonstrate compliance)

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|---|--|
| C402 – Building Envelope Requirements                                   | C404 – Service Water Heating (Mandatory)                     |
| C403 – Building Mechanical Systems                                      | C405 – Electrical Power and Lighting Systems                 |
| C406 – Additional efficiency package options (must choose one):         |  |
| C406.2 - More efficient HVAC performance                                | C406.5 - On-site supply of renewable energy                  |
| C406.3 - Reduced lighting power density                                 | C406.6 - Provisions of a dedicated OA system per             |
| C406.4 - Enhance lighting controls                                      | C406.7 - High-efficiency service water heating               |
| C406.1.1 – Tenant Spaces:   |  |
| First time IFO must choose one in C406 except for Renewable energy; or, | If entire building is compliant then must comply with C406.5 |

**Option #3 – Total Building Performance:** C402.5, C403.2, C404, C405.2, C405.3, C405.4, C405.6 and C407; building energy cost ≤ 85% of standard reference design.

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|--|--|
| C402.5 – Air Leakage-thermal envelope (Mandatory)                    | C405.3 – Exit signs (Mandatory)                                  |
| C403.2 – Provisions applicable to all mechanical systems (Mandatory) | C405.4 – Interior lighting and power requirements (Prescriptive) |
| C404 – Service Water Heating (Mandatory)                             | C405.6 – Electrical energy consumption (Mandatory)               |
| C405.2 – Lighting Controls (Mandatory)                               | C407 – Total building performance                                |

NOTE: Mechanical cooling systems over 480,000 Btuh and service water-heating/space-heating systems over 600,000 Btuh (combined capacity); and, controls for automatic lighting systems require certain information on construction documents and system commissioning and reports in accordance with section C408.

I certify that I have reviewed the construction documents including, but not necessarily limited to, insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; economizer description; equipment and system controls; fan motor HP and controls; duct sealing, duct and piping insulation and location; lighting fixture schedule with wattage and control narrative; location of daylight zones on floor plans; and air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.

\_\_\_\_\_  
Printed Name of Energy Inspector (As listed by the Certifying Agency)

\_\_\_\_\_  
Telephone

\_\_\_\_\_  
Type of Certification

\_\_\_\_\_  
Certifying Agency

\_\_\_\_\_  
Signature of Inspector

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Date: