



Oregon Energy Compliance—Instructions

Oregon Energy Efficiency Specialty Code (OEESC)

The following are descriptions of the form and related checklists required for compliance with the Oregon Energy Efficiency Specialty Code (OEESC) and ASHRAE Standard 90.1.

FORMS AND CHECKLISTS

Oregon Energy Compliance Form

This form provides the required information to demonstrate compliance with the OEESC, Chapter 13 of the Oregon Structural Specialty Code, and must be submitted to the building official with the plan review documents and required supplementary reports.

***All projects must submit a completed Oregon Energy Compliance Form.**

Simplified Building Method Checklists

These checklists may be used to demonstrate compliance with the optional Simplified Building Methods for the building envelope, lighting and HVAC systems. For these checklists *COMcheck* is not required, but may be used and, where applicable, the energy credits required in Chapter 11 and the OEESC shall be achieved. Where *COMcheck* is not being used, energy credits shall be identified using the Energy Credit Supplementary Checklist described below.

Building Envelope Checklist

This checklist may be used to demonstrate compliance with the Simplified Building Method Compliance Path for the Building Envelope in accordance with the OEESC/ASHRAE Standard 90.1.

- Base requirements**
1. Allowed for new construction, alterations, and additions.
 2. The building shall be two stories or fewer in height.
 3. The gross floor area of the building shall be less than 25,000 ft².
 4. The building envelope shall comply with the Mandatory Provisions in Section 5.4 and the Prescriptive Building Envelope Compliance Path Provisions in Section 5.5.

HVAC Systems Checklist

This checklist may be used to demonstrate compliance with the Simplified Building Method Compliance Path for HVAC Systems, Section 6.3 of the OEESC/ASHRAE Standard 90.1.

- Base requirements**
1. The building shall be two stories or fewer in height.
 2. The gross floor area of the building shall be less than 25,000 ft².
 3. The HVAC system(s) meets the applicable criteria in Section 6.3.2.

Lighting Checklist

This checklist may be used to demonstrate compliance with the Simplified Building Method Compliance Path for Interior and Exterior Lighting, Section 9.3 of the OEESC/ASHRAE Standard 90.1.

- Base requirements**
1. Allowed only for new construction, alterations and additions where at least 80% of the floor area supports either office buildings, retail buildings, or school buildings.
 2. The gross floor area of the building shall be less than 25,000 ft².
 3. *COMcheck* certificate, if used, may show lighting results as “FAILS.”

Energy Credit Supplementary Checklist

This checklist may be used to demonstrate compliance with ASHRAE Standard 90.1 Section 11.3, energy credit requirements, and the OEESC additional energy credit requirements when not using *COMcheck*.

INSTRUCTIONS

Using the Oregon Energy Compliance Form:

1. **Contact and building information:** Complete the contact and building information section of the form.
2. **Compliance:** In this section, the compliance path shall be identified, and the subsequent checklists shall be completed.
 - a. For the **Performance Path**, the following shall be completed and attached to the form:
 - Part I, Energy Credits
 - Part II, Oregon-Specific Provisions
 - Part IIA, where OEESC exceptions that require additional energy credits were used
 - Part IIB, where OEESC additional provisions and exceptions that have requirements other than additional energy credits.
 - COMcheck report
 - Energy Model Report, if COMcheck report results *fail*.
 - ZERO Code Calculator report.

- b. For the **Prescriptive Path**, the following shall be completed and attached to the form:
 - Part I, Energy Credits.
 - Part II, Oregon-Specific Provisions
 - Part IIA, where OEESC exceptions that require additional energy credits were used
 - Part IIB, where OEESC additional provisions and exceptions that have requirements other than additional energy credits.
 - COMcheck report*
 - ZERO Code Calculator report.
 - Simplified Building Method forms, if being used.

*If the Simplified Building Methods for the building envelope, lighting and HVAC systems are being used and COMcheck is not being used, energy credits shall be identified using the supplementary Energy Credit Form.

Note: For items not being included in the current energy plan submittal (e.g., under separate permits or deferred submittals), required energy credits shall be documented on the plans or on a municipality-approved form attached to the submittal.

3. **Part I – Energy Credits:** Projects shall achieve the total number of credits, EC_{adj} , required in [OEESC Table 11.5.1-1 \(Adjusted\)](#), which is ASHRAE Standard 90.1, Table 11.5.1-1, as amended by OEESC Section E301.7(b). Buildings that are 2,000 ft² or less are not required to comply with the additional efficiency requirements in Chapter 11 of ASHRAE 90.1.

Line 1. **Base credits required:** Enter the number of energy credits required by Table 11.5.1-1 (Adjusted).

Line 2. **Oregon-specific credits required:** Enter the total number of *additional* energy credits (AECs) required by the OEESC E301.4(c), E301.4(d), and E301.6(b) exceptions, if used. Possible totals include: 0, 2, 5, or 7.

Line 3. **Total credits required:** Add Line 1 & 2. Credits achieved shall be greater than or equal to this number.

Special instructions

Energy credits in COMcheck-Web: To adjust the energy credit requirements to match the OEESC Table 11.5.1-1, in COMcheck-Web, navigate to the “Renewable Energy” tab and in the “Exceptions” field, select “buildings with more than 80% roof area covered by equipment.” This will automatically adjust the required energy credits to the OEESC Table 11.5.1-1 (Adjusted).

Projects with on-site renewable energy: For projects installing on-site renewables to receive energy credits, in COMcheck-Web, navigate to the “Renewable Energy” tab and in the “Exceptions” field, select “None.” Then navigate to the “Credits” tab and select “R01: On-site renewable energy,” and the credits will adjust in accordance with OEESC Section E301.7(c).

4. **Part II – Oregon Specific Provisions:** COMcheck does not include Oregon-specific provisions. This section must be used to identify the OEESC provisions used for the project. If the project does not use or require any Oregon-specific provisions, Part II does not need to be completed.

Part IIA – Exceptions requiring additional energy credits: The following Oregon-specific provisions require AECs above those required in OEESC Table 11.5.1-1 (Adjusted):

- [OEESC E301.4\(c\) – ASHRAE Standard 90.1 Section 8.4.2](#) (Requires 5 AECs)
- [OEESC E301.4\(d\) – ASHRAE Standard 90.1 Section 8.4.3](#) (Requires 2 AECs)
- [OEESC E301.6\(b\) – ASHRAE Standard 90.1 Section 10.4.7](#) (Requires 2 AECs)

Note: The AEC's used to comply with OEESC E301.4(d), may be used to comply with OEESC E301.6(b). For example, if using both exceptions, a total of (2) AEC's are sufficient.

Instructions:

- Check the box for each exception (requiring additional energy credits) being used for the project.
- Enter the total number of additional credits required by the OEESC E301.4(c), E301.4(d), and E301.6(b) exceptions, if used, in line 2 of Part I of this form.
- Identify the location on plans and specs.

Part IIB – Provisions and other exceptions: The remaining Oregon-specific provisions from the OEESC do not require additional energy requirements but do have other additional requirements.

Instructions:

- Check the box for each exception or provision being used or required for the project.
- Complete the checklist
- Identify the location on plans and specs., where applicable.