Arlington Energy Code Compliance Paths

Commerical use buildings, those R-3 uses FOUR stories or more which are not listed as residential, and ALL R-2 & R-4 uses which are FOUR stories or more in height above grade.

Includes ALL detached 1 & 2 family dwellings and townhomes, and those R-2, R-3, and R-4 use buildings which are THREE stories or less in height above grade.

**COMMERCIAL ENERGY CODE COMPLIANCE OPTIONS**

**ENERGY CODE COMPLIANCE OPTIONS**

**RESIDENTIAL VECC ENERGY CODE COMPLIANCE**

---

### Precriptive
- **Method of Compliance**: Meet or exceed published ASHRAE 90.1 Standard values.
- Mandatory provisions must be met and the following Code criteria must be met or exceed prescriptive values:
  - a) Building thermal envelope criteria
  - b) Systems criteria
  - c) Envelope and Electrical criteria
- **Alternate Method**: Must obtain a ‘PASS’ result using the latest DOE Comcheck software program analysis.
- Tradeoffs are allowed only between envelope component values.
- Mandatory provisions must be met and the following Code criteria must be met or exceed published values:
  - a) Building thermal envelope criteria
  - b) Systems criteria
  - c) Service Water Heating systems criteria
  - d) Lighting & Electrical criteria
- **Prescriptive** is the simplest method of compliance and the least flexible.

---

### Envelope Tradeoff
- **Method of Compliance**: Must obtain a ‘PASS’ result using the latest DOE Comcheck software program analysis.
- Tradeoffs are allowed only between envelope component values.
- Mandatory provisions must be met and the following Code criteria must be met or exceed published values:
  - a) Building thermal envelope criteria
  - b) Systems criteria
  - c) Service Water Heating systems criteria
  - d) Lighting & Electrical criteria
- **Envelope Tradeoff** is more complex than the PRESCRIPTIVE method and offers more flexibility in the method of meeting Code requirements for the envelope. Revised analyses must be submitted when field construction changes occur.
- Submit the PRESCRIPTIVE ASHRAE 90.1 Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.
- Submit the PRESCRIPTIVE ASHRAE 90.1 Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.

---

### Prescriptive
- **Method of Compliance**: Meet or exceed published ASHRAE 90.1 Standard values.
- Mandatory provisions must be met and the following Code criteria must be met or exceed prescriptive values:
  - a) Building thermal envelope criteria
  - b) Systems criteria
  - c) Envelope and Electrical criteria
- **Prescriptive** is the simplest method of compliance and the least flexible.

---

### Envelope Tradeoff
- **Method of Compliance**: Must obtain a ‘PASS’ result using the latest DOE Comcheck software program analysis.
- Tradeoffs are allowed only between envelope component values.
- Mandatory provisions must be met and the following Code criteria must be met or exceed published values:
  - a) Building thermal envelope criteria
  - b) Systems criteria
  - c) Service Water Heating systems criteria
  - d) Lighting & Electrical criteria
- **Envelope Tradeoff** is more complex than the PRESCRIPTIVE method and offers more flexibility in the method of meeting Code requirements for the envelope. Revised analyses must be submitted when field construction changes occur.
- Submit the PRESCRIPTIVE ASHRAE 90.1 Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.
- Submit the PRESCRIPTIVE ASHRAE 90.1 Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.

---

### Energy Cost Budget (ECB) Performance
- **Method of Compliance**: Analysis performed by available software programs* resulting in proposed building design energy cost.
- Tradeoffs between Envelope, Mechanical, Service Water Heating, and Lighting & Electrical criteria are allowed.
- Mandatory provisions must be met and the following Code criteria must be met or exceed published values:
  - a) Building envelope criteria
  - b) Systems criteria
  - c) Domestic water criteria
  - d) Electrical power & Lighting systems criteria
- **Prescriptive** is the simplest method of compliance and the least flexible.

---

### Vecc Commercial Energy Code Compliance Options

**Includes ALL detached 1 & 2 family dwellings and townhomes, and those R-2, R-3, and R-4 use buildings which are THREE stories or less in height above grade.**

---

### Resiidential Vecc Energy Code Compliance Options

*The software program utilized must demonstrate compliance with the criteria indicated in ASHRAE 90.1 Section 11, and the associated compliance design values must be included on the drawings. The building official may require submission of the analysis software program’s user manuals or additional documents, or a copy of the program itself, in order to determine a program’s capability to analyze building performance in accordance with the code.*

---

**COMMERCIAL VECC ENERGY CODE COMPLIANCE OPTIONS**

**ENERGY CODE COMPLIANCE OPTIONS**

**RESIDENTIAL VECC ENERGY CODE COMPLIANCE**

---

**Precriptive**
- Method of Compliance: Meet or exceed published Code values.
- Mandatory provisions (including ADDITIONAL EFFICIENCY under 2012) must be met AND the following Code criteria must be met or exceed prescriptive values:
  - a) Building thermal envelope criteria
  - b) Mechanical systems criteria
  - c) Service Water Heating systems criteria
  - d) Lighting & Electrical criteria
- **Prescriptive** is the simplest method of compliance and the least flexible.
- Submit the PRESCRIPTIVE VECC Arlington County Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.
- Submit the PRESCRIPTIVE VECC Arlington County Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.

---

**Envelope Tradeoff**
- Method of Compliance: Must obtain a ‘PASS’ result using the latest DOE Comcheck software program analysis.
- Tradeoffs are allowed only between envelope component values.
- Mandatory provisions must be met and the following Code criteria must be met or exceed published values:
  - a) Building thermal envelope criteria
  - b) Systems criteria
  - c) Service Water Heating systems criteria
  - d) Lighting & Electrical criteria
- **Envelope Tradeoff** is more complex than the PRESCRIPTIVE method and offers more flexibility in the method of meeting Code requirements for the envelope. Revised analyses must be submitted when field construction changes occur.
- Submit the PRESCRIPTIVE VECC Arlington County Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.
- Submit the PRESCRIPTIVE VECC Arlington County Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.

---

**Precriptive**
- Method of Compliance: Meet or exceed published ASHRAE 90.1 Standard values.
- Mandatory provisions must be met and the following Code criteria must be met or exceed prescriptive values:
  - a) Building thermal envelope criteria
  - b) Systems criteria
  - c) Service Water Heating systems criteria
  - d) Lighting & Electrical criteria
- **Prescriptive** is the simplest method of compliance and the least flexible.

---

**Envelope Tradeoff**
- Method of Compliance: Must obtain a ‘PASS’ result using the latest DOE Comcheck software program analysis.
- Tradeoffs are allowed only between envelope component values.
- Mandatory provisions must be met and the following Code criteria must be met or exceed published values:
  - a) Building thermal envelope criteria
  - b) Systems criteria
  - c) Service Water Heating systems criteria
  - d) Lighting & Electrical criteria
- **Envelope Tradeoff** is more complex than the PRESCRIPTIVE method and offers more flexibility in the method of meeting Code requirements for the envelope. Revised analyses must be submitted when field construction changes occur.
- Submit the PRESCRIPTIVE VECC Arlington County Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.
- Submit the PRESCRIPTIVE VECC Arlington County Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.

---

**Precriptive**
- Method of Compliance: Meet or exceed published Code values.
- Mandatory provisions (including ADDITIONAL EFFICIENCY under 2012) must be met AND the following Code criteria must be met or exceed prescriptive values:
  - a) Building thermal envelope criteria
  - b) Mechanical systems criteria
  - c) Service Water Heating systems criteria
  - d) Lighting & Electrical criteria
- **Prescriptive** is the simplest method of compliance and the least flexible.
- Submit the PRESCRIPTIVE VECC Arlington County Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.
- Submit the PRESCRIPTIVE VECC Arlington County Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.

---

**Envelope Tradeoff**
- Method of Compliance: Must obtain a ‘PASS’ result using the latest DOE Comcheck software program analysis.
- Tradeoffs are allowed only between envelope component values.
- Mandatory provisions must be met and the following Code criteria must be met or exceed published values:
  - a) Building thermal envelope criteria
  - b) Systems criteria
  - c) Service Water Heating systems criteria
  - d) Lighting & Electrical criteria
- **Envelope Tradeoff** is more complex than the PRESCRIPTIVE method and offers more flexibility in the method of meeting Code requirements for the envelope. Revised analyses must be submitted when field construction changes occur.
- Submit the PRESCRIPTIVE VECC Arlington County Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.
- Submit the PRESCRIPTIVE VECC Arlington County Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.

---

**Precriptive**
- Method of Compliance: Meet or exceed published ASHRAE 90.1 Standard values.
- Mandatory provisions must be met and the following Code criteria must be met or exceed prescriptive values:
  - a) Building thermal envelope criteria
  - b) Systems criteria
  - c) Service Water Heating systems criteria
  - d) Lighting & Electrical criteria
- **Prescriptive** is the simplest method of compliance and the least flexible.

---

**Envelope Tradeoff**
- Method of Compliance: Must obtain a ‘PASS’ result using the latest DOE Comcheck software program analysis.
- Tradeoffs are allowed only between envelope component values.
- Mandatory provisions must be met and the following Code criteria must be met or exceed published values:
  - a) Building thermal envelope criteria
  - b) Systems criteria
  - c) Service Water Heating systems criteria
  - d) Lighting & Electrical criteria
- **Envelope Tradeoff** is more complex than the PRESCRIPTIVE method and offers more flexibility in the method of meeting Code requirements for the envelope. Revised analyses must be submitted when field construction changes occur.
- Submit the PRESCRIPTIVE VECC Arlington County Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.
- Submit the PRESCRIPTIVE VECC Arlington County Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.

---

**Precriptive**
- Method of Compliance: Meet or exceed published Code values.
- Mandatory provisions (including ADDITIONAL EFFICIENCY under 2012) must be met AND the following Code criteria must be met or exceed prescriptive values:
  - a) Building thermal envelope criteria
  - b) Mechanical systems criteria
  - c) Service Water Heating systems criteria
  - d) Lighting & Electrical criteria
- **Prescriptive** is the simplest method of compliance and the least flexible.
- Submit the PRESCRIPTIVE VECC Arlington County Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.
- Submit the PRESCRIPTIVE VECC Arlington County Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.

---

**Envelope Tradeoff**
- Method of Compliance: Must obtain a ‘PASS’ result using the latest DOE Comcheck software program analysis.
- Tradeoffs are allowed only between envelope component values.
- Mandatory provisions must be met and the following Code criteria must be met or exceed published values:
  - a) Building thermal envelope criteria
  - b) Systems criteria
  - c) Service Water Heating systems criteria
  - d) Lighting & Electrical criteria
- **Envelope Tradeoff** is more complex than the PRESCRIPTIVE method and offers more flexibility in the method of meeting Code requirements for the envelope. Revised analyses must be submitted when field construction changes occur.
- Submit the PRESCRIPTIVE VECC Arlington County Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.
- Submit the PRESCRIPTIVE VECC Arlington County Energy Cover Sheet, and information on the drawings demonstrating mandatory and prescriptive values meeting Code compliance.