



2021 IECC Residential Compliance Path Selection Form

Complete and submit this form with your Residential 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 IRC & IECC-Res Compliance Path Selection

Affirm the selected energy compliance path under the 2021 International Residential Code & International Energy Conservation Code—Residential Provisions.

B

2021 International Residential Code & International Energy Conservation Code—Residential Provisions

- Prescriptive Method
- Prescriptive Method with Envelope Tradeoffs (Section N1102.1.5)
- Total Building Performance Method (Section N1105)
- Energy Rating Index (Section N1106)
- Above Codes Program (Section N1101.4)
- PA Alternative Residential Energy Provisions 2025 *[For one- and two-family dwellings not exceeding three (3) stories in height ONLY; Skip Section C and proceed to Section D]*

Residential Additional Energy Efficiency Package Requirements (R-408.1)

Complete this section if designing under the IECC 2021 Philadelphia Energy Conservation Code.

Provide at least one of the supplemental documentations listed for the selected applicable efficiency category.

Skip Section D and proceed to Declaration & Signature Section.

C

Additional Residential Energy Efficiency Package Requirements

Select at least one of the following packages utilized for project design to comply with additional energy efficiency package requirements:

Efficiency Categories		Required Supplemental Documentation
<input type="checkbox"/>	Enhanced Envelope Performance (R408.2.1)	• RESCheck Analysis
<input type="checkbox"/>	More Efficient HVAC Equipment Performance (R408.2.2)	• EZ Ductwork & Warm-Air Appliance (New Construction) Form
<input type="checkbox"/>	Reduced Energy Use in Service Water-Heating (R408.2.3)	• EZ Plumbing (New Construction) Form
<input type="checkbox"/>	More Efficient Duct Thermal Distribution System (R408.2.4)	• EZ Ductwork & Warm-Air Appliance (New Construction) Form
<input type="checkbox"/>	Improved Air Sealing and Efficient Ventilation System (R408.2.5)	• Residential Duct & Envelope Testing (DET) Form (V_004_F) AND • EZ Ductwork & Warm-Air Appliance (New Construction) Form

(Continued on Next Page)



PA Alternative Residential Energy Requirements

Complete this section if designing under the [2025 PA Alternative Residential Energy Provisions](#).

Provide at least one of the supplemental documentations listed for the selected applicable efficiency category.

- a. For multiple cooling systems, all systems shall meet or exceed the minimum efficiency requirements in this section and shall be sized to serve 100 percent of the cooling design load. For multiple heating systems, all systems shall meet or exceed the minimum efficiency requirements in this section and shall be sized to serve 100 percent of the heating design load.
- b. Full height of uncompressed insulation shall extend over the top plate at the eaves.

D

PA Alternative Residential Energy Requirements

Select at least one of the following packages utilized for project design to comply with additional energy efficiency package requirements:

PA Alternative Residential Energy Requirements: Energy Enhancement Packages (PA 104)**				
**Selection must be made to utilize 2025 PA Alternative Residential Energy Provisions				
Option	Description	Required Supplemental Documentation & Conditions		
<input type="checkbox"/> 1	Ductless heat pumps ^a <i>Minimum Efficiency = 8.6 HSPF2 and 18 SEER2</i>	<ul style="list-style-type: none"> EZ Ductwork & Warm-Air Appliance Form Installed equipment specifications to be made available for inspection. Where multiple heating/cooling systems are installed, all systems must meet or exceed one of the minimum additional efficiency requirements above and must be sized to serve 100% of the heating load. Where multiple cooling systems are installed, all systems must meet or exceed one of the minimum additional efficiency requirements above and must be sized to serve 100% of the cooling load. 		
<input type="checkbox"/> 2	All air ducts located inside the thermal envelope <i>Must comply with one of the following efficiencies:</i> <ul style="list-style-type: none"> 100% of ducts and air handlers are located entirely within the building thermal envelope 100% of ductless thermal distribution system or hydronic thermal distribution system located completely inside the building thermal envelope. 100% of duct thermal distribution system located in conditioned space 			
<input type="checkbox"/> 3	Geothermal or water source heat pump installed ^a <i>Minimum Efficiency = Compliant (COP 3.6)</i>			
<input type="checkbox"/> 4	Improved efficiency air source heat pump installed ^a <i>Minimum Efficiency = 7.7 HSPF2 and 16.2 SEER2</i>			
<input type="checkbox"/> 5	Improved efficiency condensing furnace installed ^a <i>Minimum Efficiency = 92.5 AFUE</i>			
<input type="checkbox"/> 6	Exterior continuous insulation <i>Minimum Efficiency = R20+10ci</i>			
<input type="checkbox"/> 7	Improved efficiency windows <i>U-factor = 0.21 max</i>			
<input type="checkbox"/> 8	Package: Improved efficiency windows and higher attic R-value with raised heel truss ^b <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Windows <i>U-factor = 0.25 max</i></td> </tr> <tr> <td>Attics <i>Minimum R-value = 60</i></td> </tr> </table>		Windows <i>U-factor = 0.25 max</i>	Attics <i>Minimum R-value = 60</i>
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<input type="checkbox"/> 9	Package: Improved efficiency windows and heat pump water heater <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Windows <i>U-factor = 0.25 max</i></td> </tr> <tr> <td>Heat Pump Water Heater <i>Minimum UEF = 3.5</i></td> </tr> </table>	Windows <i>U-factor = 0.25 max</i>	Heat Pump Water Heater <i>Minimum UEF = 3.5</i>	
Windows <i>U-factor = 0.25 max</i>				
Heat Pump Water Heater <i>Minimum UEF = 3.5</i>				
		<ul style="list-style-type: none"> Construction Design Documentation EZ Plumbing Form AND Construction Design Documentation Installed equipment specifications to be made available for inspection 		

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: _____