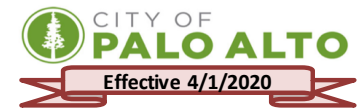


Energy Reach Code for Multi-family and Single Family New Construction and Renovation

Compliance Verification



Instructions: Select the Energy Reach Code requirements applicable to the project and follow the compliance instructions listed in the right column. Please note that this verification form is for reference only and does not need to be submitted with the Permit Application. Energy Reach Codes are in addition to the State Energy Code Requirements.

New Single Family and Multi-family Construction Projects

Project Condition	Requirement	Compliance Schedule & Instructions
<input type="checkbox"/> <p>New single-family and multi-family, low-rise residential construction projects.</p> <p><i>Projects submitted prior to 4/1/2020 shall comply with 2019 California State Energy Standards, Title 24 Part 6.</i></p> <p>(PAMC 16.17.100, PAMC 16.17.110, CEC 150.0)³</p>	<p>All-Electric Design¹</p> <p>A newly constructed All-Electric Building complies with the performance standard if both the Total Energy Design Rating and the Energy Efficiency Design Rating for the Proposed Building are no greater than the corresponding Energy Design Ratings for the Standard Design Building.⁴</p>	<p>Planning Phase: Select Energy Reach Code All-Electric pathway on the preliminary Green Building Checklist "GB-1" sheet and include in Planning Application. (Only Projects subject to Planning)</p> <p>Permit Phase: Show compliance with the Energy Reach Code All-Electric pathway on the completed Green Building Checklist "GB-1" sheet and include in the Permit Plans. Energy compliance plans must show compliance with the option selected. Include margin energy savings when completing the Green Building Survey. The Certificate of Compliance must be prepared and signed by a Certified Energy Analyst and the Total Energy Design Rating of the Proposed Design shall be no greater than the Standard Design Building.</p> <p>Inspection Phase: Install measures as shown on the Energy Compliance Report within the Permit Plans. Should any revisions occur that impact the Energy Compliance Report, the project must resubmit the Energy Compliance Report and the revision must maintain the required percent savings. The Certificate of Compliance must be prepared and signed by a Certified Energy Analyst and the Total Energy Design Rating of the Proposed Design shall be no greater than the Standard Design Building.</p>

¹ Local amendment to the California Energy Code, Section 100.3 Local Energy Efficiency Reach Code can be found in PAMC 16.17.

² Time Dependent Valuation (TDV) Energy is the varying energy caused to be used by the building to provide space conditioning and water heating and for specified building lightings. TDV energy accounts for the energy used at the building site and consumed in producing and in delivering energy to a site, including, but not limited to, power generation, transmission and distribution losses.

³ The requirements of Sections 150.0 (a) through (r) apply to newly constructed buildings. Sections 150.2(a) and 150.2(b) specify which requirements of Sections 150.0(a) through 150.0(r) also apply to additions or alterations. The amendments to sections 150.0 (h), 150.0 (n), and 150.0 (s) do not apply to additions, alterations, or ADUs.

⁴ The Energy Budget for newly constructed buildings is expressed in terms of the Energy Design Rating, which is based on TDV energy. The Energy Design Rating (EDR) has two components, the Energy Efficiency Design Rating, and the Solar Electric Generation and Demand Flexibility Design Rating. The Solar Electric Generation and Demand Flexibility Design Rating shall be subtracted from the Energy Efficiency Design Rating to determine the Total Energy Design Rating. The Proposed Building shall separately comply with the Energy Efficiency Design Rating and the Total Energy Design Rating.

Existing Construction Projects

Project Condition	Requirement	Compliance Schedule & Instructions
Single-Family and Multi-Family Residential Projects		
<input type="checkbox"/> <p>Additions and alterations to Existing low-rise residential buildings.¹</p> <p><i>Projects submitted prior to 4/1/2020 shall comply with 2019 California State Energy Standards, Title 24 Part 6.</i></p> <p>(PAMC 16.17.110, CEC 150.0)³</p>	<p>Mixed-Fuel Design:</p> <p>A building complies with the performance standards if the energy consumption calculated for the Proposed Building is no greater than the energy budget calculated for the Standard Design Building.</p>	<p>Planning Phase: Select Energy Reach Code Option 3 on the preliminary Green Building Checklist "GB-1" sheet and include in Planning Application. (Only Projects subject to Planning)</p> <p>Permit Phase: Show compliance with the Energy Reach Code exemption on the completed Green Building Checklist "GB-1 Residential" sheet and include in the Permit Plans. Energy compliance sheet on plans must show the energy reach code option exemption for an 'All Electric' building.</p> <p>Inspection Phase: Install measures as shown on the Energy Compliance Report within the Permit Plans. Should any revisions occur that impact the Energy Compliance Report, the project must resubmit the Energy Compliance Report and the revision must maintain the option selected.</p>

¹ Local amendment to the California Energy Code, Section 150.1 Local Energy Efficiency Reach Code can be found in PAMC 16.17.

² The Energy Budget for additions and alterations is expressed in terms of TDV energy.