State of California

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|  | Tax Credit Allocation Committee |

**Energy Analyst Placed in Service Certifications**

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| **Project Name:** |  |
| **CTCAC Number:** | CA-22- |

**CHECK THE RELEVANT BOXES AND SIGN BELOW**

1. **Minimum Construction Standards – if not certified by an architect**

**Previously granted exemptions/waivers are attached.**

Landscaping. If landscaping is to be provided or replaced, a variety of plant and tree species that require low water use shall be provided in sufficient quantities based on landscaping practices in the general market area and low maintenance needs. Projects shall follow the requirements of the state Model Water Efficient Landscape Ordinance (http://www.water.ca.gov/wateruseefficiency/landscapeordinance/) unless a local landscape ordinance has been determined to be at least as stringent as the current model ordinance.

Roofs. Newly installed roofing shall carry a three-year subcontractor guarantee and at least a 20-year manufacturer’s warranty.

Exterior doors. If exterior doors are to be provided or replaced, insulated or solid core, flush, paint or stain grade exterior doors shall be made of metal clad faces, hardwood faces, or fiberglass faces, with a standard one-year guarantee and all six sides primed.

Appliances. All Low-Income Units shall provide a refrigerator. All non-SRO Low-Income Units shall provide a range (cooktop and oven), and all SRO Low-Income Units shall include a cooking facility (at least a cooktop or microwave). The Executive Director may waive the refrigerator and cooking facility requirement for SRO units if the project includes a common area kitchen facility for tenants. Refrigerators, dishwashers, clothes washers and dryers provided or replaced within Low-Income Units and/or in on-site community facilities shall be ENERGY STAR rated appliances, unless waived by the Executive Director.

Window coverings. Window coverings shall be provided and may include fire retardant drapes or blinds.

Water heater. If water heaters are to be provided or replaced, for Low-Income Units with individual tank-type water heaters, minimum capacities are to be 28 gallons for one- and two-bedroom units and 38 gallons for three-bedroom units or larger.

Floor coverings. If floor coverings are to be provided or replaced, a hard, water resistant, cleanable surface shall be required for all kitchen and bath areas. Any carpet provided or replaced shall comply with U.S. Department of Housing and Urban Development/Federal Housing Administration UM44D.

All fiberglass-based insulation provided or replaced shall meet the Greenguard Gold Certification (<http://greenguard.org/en/CertificationPrograms/CertificationPrograms_childrenSchools.aspx>).

1. **Rehabilitation Projects: Additional Minimum Construction Standards required.**

All rehabilitated buildings shall achieve at least a 10% post-rehabilitation improvement over existing conditions energy efficiency achieved for the project as a whole. Scattered Site applications shall also document at least a 5% post-rehabilitation improvement over existing conditions energy efficiency achieved for each site.

Exception to “additional minimum construction standards” above: project has been developed in accordance with the minimum requirements of LEED, PHIUS, Passive House, Living Building Challenge, National Green Building Standard ICC / ASRAE – 700 silver or higher rating, or GreenPoint Rated Program.

1. **Threshold Basis Limit Adjustments**

**Check any that apply (e-h may be certified by the project architect).**

1. Projects shall have onsite renewable generation estimated to produce 50% or more of annual tenant electricity use. If the combined available roof area of the project structures, including carports, is insufficient for provision of 50% of annual electricity use, then the project shall have onsite renewable generation based on at least 90% of the available solar accessible roof area. Available solar accessible area is defined as roof area less north facing roof area for sloped roofs, equipment, solar thermal hot water, and required local or state fire department set-backs and access routes.

(A project not availing itself of the 90% roof area exception may also receive an increase under b. below only if the renewable generation used to calculate each basis increase does not overlap.)

1. Project shall have onsite renewable generation estimated to produce 75% or more of annual common area electricity use. If the combined available roof area of the project structures including carports is insufficient for provision of 75% of annual electricity use, then the project shall have onsite renewable generation based on at least 90% of the available solar accessible roof area. Available solar accessible area is defined as roof area less north facing roof area for sloped roofs, equipment, solar thermal hot water, and required local or state fire department set-backs and access routes.

(A project not availing itself of the 90% roof area exception may also receive an increase under a. above only if the renewable generation used to calculate each basis increase does not overlap.)

1. Newly constructed project buildings shall be more energy efficient than the 2019 Energy Efficiency Standards (California Code of Regulations, Part 6 of Title 24) by at least 5, EDR points for energy efficiency alone (not counting solar).

**OR**

For building permit applications submitted and complete on or before December 31, 2019: newly constructed project buildings shall be fifteen percent (15%) or more energy efficient than the 2016 Energy Efficiency Standards (California Code of Regulations, Part 6 of Title 24).

1. Rehabilitation project buildings shall have an 80% decrease in TDV energy use (or improvement in energy efficiency) post rehabilitation as demonstrated using the appropriate performance module of CEC approved software.
2. Irrigate only with reclaimed water, greywater, or rainwater (excepting water used for Community Gardens) or irrigate with reclaimed water, grey water, or rainwater in an amount that annually equals or exceeds 20,000 gallons or 300 gallons per unit, whichever is less.
3. Community Gardens of at least 60 square feet per unit. Permanent site improvements that provide a viable growing space within the project including solar access, fencing, watering systems, secure storage space for tools, and pedestrian access.
4. Install bamboo, stained concrete, cork, salvaged or FSC-Certified wood, natural linoleum, natural rubber, or ceramic tile in all kitchens, living rooms, and bathrooms (where no VOC adhesives or backing is also used).
5. Install bamboo, stained concrete, cork, salvaged or FSC-Certified wood, natural linoleum, natural rubber, or ceramic tile in all interior floor space other than units (where no VOC adhesives or backing is also used).
6. New construction projects only: Meet all requirements of the U.S. Environmental Protection Agency Indoor Air Plus Program.

**ENERGY ANALYST CERTIFICATIONS**

**I/We, as the energy consulting firm contractually responsible for energy efficiency/sustainable building/green building verification of the above referenced project, certify under penalty of perjury that each of the individual items identified above were incorporated into the design and construction of the project. I/We, as the energy consulting firm also certify that I/We have the proper certifications required per CTCAC Regulations for each of the individual items identified above.**

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| Firm Name (print) |  | Energy Analyst Name (print) |  | License Type & Number(s) |
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|  |  |  |  |  |
| Energy Analyst Title (print) |  | Energy Analyst Signature |  | Date |