

**NAPA RESIDENTIAL HIGH PERFORMANCE BUILDING
CHECKLIST**

Feature or Measure	Levels Applicant to select elective measures		Third Party Documentation/ Verification
	Napa Mandatory Checked	Suggested prerequisites and electives (Optional)	
	Select Voluntary	Tier 1	Tier 2
GREEN BUILDING			
WATER EFFICIENCY AND CONSERVATION			
INDOOR WATER USE			
<p>4.303.1 Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following prescriptive requirements:</p> <p>4.303.1.1 Water closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush (gpf). Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-type Toilets.</p> <p>4.303.1.2 Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gpf. All other urinals shall not exceed 0.5 gpf.</p> <p>4.303.1.3 Showerheads.</p> <p>4.303.1.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 2.0 gallons per minute (gpm) at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.</p> <p>4.303.1.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 2.0 gpm at 80 psi, or the shower shall be designed to only allow one showerhead to be in operation at a time.</p> <p>4.303.1.4 Faucets.</p> <p>4.303.1.4.1 Residential lavatory faucets. The maximum flow rate of residential lavatory faucets shall not</p>	<p align="center"><input checked="" type="checkbox"/></p> <p align="center"><input checked="" type="checkbox"/></p> <p align="center"><input checked="" type="checkbox"/></p> <p align="center"><input checked="" type="checkbox"/></p> <p align="center"><input checked="" type="checkbox"/></p>		

<p>exceed 1.2 gpm at 60 psi. The minimum flow rate shall not be less than 0.8 gpm at 20 psi.</p> <p>4.303.1.4.2 Lavatory faucets in common and public areas. The maximum flow rate of lavatory faucets installed in common and public use areas (outside of dwellings or sleeping units) in residential buildings shall not exceed 0.5 gpm at 60 psi.</p> <p>4.303.1.4.3 Metering faucets. Metering faucets when installed in residential buildings shall not deliver more than 0.25 gallons per cycle.</p> <p>A4.303.1 Kitchen faucets. The maximum flow rate of kitchen faucets shall not exceed 1.5 gpm at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gpm at 60 psi, and must default to a maximum of 1.5 gpm at 60 psi.</p>	<input checked="" type="checkbox"/>			
<p>4.303.2 Plumbing fixtures and fittings required in Section 4.303.1 shall be installed in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1701.1 of the California Plumbing Code.</p>	<input checked="" type="checkbox"/>			
<p>A4.303.2 Alternate nonpotable water source are used for indoor potable water reduction. Alternate nonpotable water sources shall be installed in accordance with the California Plumbing Code.</p>		<input type="checkbox"/>	<input type="checkbox"/>	
<p>A4.303.3 Appliances. Install at least one qualified ENERGY STAR dishwasher or clothes washer.</p>	<input checked="" type="checkbox"/>			
<p>A4.303.4 Non-water supplied urinals or composting toilets are installed.</p>		<input type="checkbox"/>	<input type="checkbox"/>	
<p>A4.303.5 One- and two-family dwellings shall be equipped with a demand hot water recirculation system, installed in accordance with the California Plumbing Code, California Energy Code, and the manufacturer's installation instructions.</p>		<input type="checkbox"/>	<input type="checkbox"/>	
<p>OUTDOOR WATER USE</p>				
<p>4.304.1 Landscape water use. Projects with the minimum landscape areas in Napa Municipal Code Section 17.52.520 shall comply with the City of Napa Water Efficient Landscape Ordinance (WELO).</p>	<input checked="" type="checkbox"/>			

<p>A4.304.1 An approved rainwater catchment system is designed and installed in accordance with the California Plumbing Code.</p>		<input type="checkbox"/>	<input type="checkbox"/>	
<p>A4.304.2 A landscape design is installed which does not utilize potable water.</p>		<input type="checkbox"/>	<input type="checkbox"/>	
<p>A4.304.3 Landscaped irrigated areas of less than 5,000 square feet shall be provided with separate submeters for outdoor potable water use.</p>		<input type="checkbox"/>	<input type="checkbox"/>	
<p>WATER REUSE SYSTEMS</p>				
<p>A4.305.1 Graywater. Alternative plumbing piping is installed to permit the discharge from the clothes washer or other fixtures to be used for an irrigation system in compliance with the California Plumbing Code.</p>		<input type="checkbox"/>	<input type="checkbox"/>	
<p>A4.305.2 Recycled water piping. Based on projected availability, dual water piping is installed for future indoor use of recycled water in accordance with the California Plumbing Code.</p>		<input type="checkbox"/>	<input type="checkbox"/>	
<p>A4.305.3 Recycled water for landscape irrigation. Recycled water is used for landscape irrigation.</p> <p>NOTE: Projects of a certain minimum landscape area must comply with the City of Napa Water Efficient Landscape Ordinance (see Napa Municipal Code Section 17.52.520). In those projects, areas irrigated with recycled water are defined as “Special Landscape Areas” and receive a higher Maximum Applied Water Allowance.</p>		<input type="checkbox"/>	<input type="checkbox"/>	
<p>INNOVATIVE CONCEPTS AND LOCAL ENVIRONMENTAL CONDITIONS</p>				
<p>A4.306.1 Items in this section are necessary to address innovative concepts or local environmental conditions.</p> <p>Item 1. Residential structures shall be limited to a maximum of 60 psi static service pressure; sites consistently experiencing greater than 65 psi shall require the installation of a pressure regulator. Piping for fire sprinkler systems is excluded from this requirement.</p>	<input checked="" type="checkbox"/>			

<p>Item 2. If water softeners are installed as part of a project, they shall comply with NSF/ANSI Standard 44 provisions, including the following features:</p> <ul style="list-style-type: none"> • Demand-initiated regeneration (DIR) system, not time-clock initiated • Minimum salt efficiency of 3,350 grains total hardness per pound of salt • Generate no more than five gallons of water per 1,000 grains of hardness removed during service cycle 	<input checked="" type="checkbox"/>			
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