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## CLARK COUNTY BOARD OF COMMISSIONERS AGENDA ITEM

**Petitioner:** Jerome A. Stueve, Director of Building & Fire Prevention

**Recommendation:**

**Conduct a public hearing and approve, adopt, and authorize the Chair to sign an ordinance amending Title 25, Chapter 25.08 of the Clark County Code to add Sections 25.08.040 through 25.08.080 to amend the minimum standards for plumbing fixtures and add a new allowable plumbing fixture effective January 1, 2020; and providing for other matters properly relating thereto; or take other action as appropriate. (For possible action)**

**FISCAL IMPACT:**

Fund #:	N/A	Fund Name:	N/A
Fund Center:	N/A	Funded PGM/Grant:	N/A
Amount:	N/A		
Description:	N/A		
Additional Comments:	N/A		

**BACKGROUND:**

In compliance with the provisions of Assembly Bill No. 163 relating to water conservation and minimum standards for plumbing fixtures, this ordinance amends the minimum standards for plumbing fixtures to meet or exceed the standards established under the US EPA WaterSense program. This ordinance will also allow the use of air admittance valves in buildings of all construction types.

On December 3, 2019, the Board considered and approved the Business Impact Statement in accordance with NRS 237.090.

The amended ordinance was introduced at the December 3, 2019, Board of County Commissioners' meeting, and a public hearing is scheduled for December 17, 2019 at 10:00am.

Approved.  
  
12/19/19

Cleared for Agenda

**12/17/2019**

Agenda Item #

**59.**

[Bracketed] material is that portion being deleted  
Underlined material is that portion being added

BILL NO. 12-3-19-5

SUMMARY - An ordinance to amend Title 25, Chapter 25.08 of the Clark County Code to add Sections 25.08.40 through 25.08.80 to amend the minimum standards for plumbing fixtures and add a new allowable plumbing fixture effective January 1, 2020; and providing for other matters properly relating thereto.

ORDINANCE NO. \_\_\_\_\_  
(of Clark County, Nevada)

AN ORDINANCE TO AMEND TITLE 25, CHAPTER 25.08 OF THE CLARK COUNTY CODE TO ADD SECTIONS 25.08.40 THROUGH 25.08.80 TO AMEND THE MINIMUM STANDARDS FOR PLUMBING FIXTURES AND ADD A NEW ALLOWABLE PLUMBING FIXTURE EFFECTIVE JANUARY 1, 2020; AND PROVIDING FOR OTHER MATTERS PROPERLY RELATING THERETO.

**THE BOARD OF COUNTY COMMISSIONERS OF THE COUNTY OF CLARK,  
STATE OF NEVADA, DOES HEREBY ORDAIN AS FOLLOWS:**

SECTION 1. Title 25, Chapter 25.08 is amended to read as follows:

**25.08.040 - Amendments to the Uniform Plumbing Code.**

Certain parts, articles, divisions, sections and subsections of the 2018 Uniform Plumbing Code are supplemented, modified, amended and deleted as provided in the following sections of this chapter.

**25.08.045 - Fixture water use limitation.**

Each new, remodel or replacement of plumbing fixtures in residential or commercial buildings or structures shall incorporate fixtures that are certified by the WaterSense program established by the United States Environment Protection Agency. If a certified fixture does not exist the fixture shall meet the minimal standards for plumbing fixtures as stated in the Chapter

**25.08.050 - Lavatories.**

A subsection, designated "407.2 Water Consumption" is amended to read as follows:

407.2 Water Consumption. The maximum flow rate of faucets shall comply with Section 407.2.1 and Section 402.2.2.

407.2.1 Maximum Flow Rate. The maximum flow rate for public lavatory faucets shall not exceed 0.50 gallons at 60 psi (1.9 L/m at 414 kPa) and 1.5 gallons (5.678 liters) for private lavatory faucets.

407.2.2 Metering Faucets. Metered faucets shall deliver a maximum of 0.25 gallons (1.0 liter) per metering cycle.

**25.08.055 - Showers.**

A subsection, designated "408.2 Water Consumption" is amended to read as follows:

408.2 Water Consumption. Showerheads shall have a maximum flow rate of not more than 2.0 gallons per minute (7.57 liters).

**25.08.060 - Water Closets.**

A subsection, designated "411.2 Water Consumption" is amended to read as follows:

411.2 Water Consumption. Water closets shall have a maximum consumption not to exceed 1.28 gallons (4.8 liters) of water per flush. Water closets shall have a minimum consumption not less than 1.0 gallon per flush.

A subsection, designated "411.2.2 Flushometer Valve Activated Water Closets" is amended to read as follows:

411.2.2 Flushometer Valve Activated Water Closets. Flushometer valve activated water closets shall have a maximum flush volume of 1.28 gallons (4.8 liters) of water per flush. The minimum rate of consumption shall be 1.0 gallon per flush.

**25.08.065 - Urinals.**

A subsection, designated "412.1 Application" is added to read as follows:

412.1 Application. Urinals shall comply with ASME A112.19.2 CSA B45.1, ASME A112.19.19, or CSA B45.5/IAPMO Z124. Urinals shall have a maximum consumption not to exceed 0.50 gallons (1.89 liters) of water per flush.

**25.08.070 – Sinks.**

A subsection, designated "20.2 Water Consumption" is amended to read as follows:

20.2 Water Consumption. Sink faucets shall have a maximum flow rate of not more than 1.5 gallons (7.57 liters) per minute.

A subsection, designated "20.3 Pre-Rinse Spray Valve" is amended to read as follows:

20.3 Pre-Rinse Spray Valve. Commercial food service pre-rinse spray valves shall have a maximum flow rate as follows and shall be equipped with an integral automatic shutoff:

- (1) One gallon (3.79 liters) per minute at less than or equal to 5.0 ounces-force
- (2) 1.2 gallons (4.54 liters) per minute at greater than 5.0 ounces-force and less than or equal to 8 ounces-force
- (3) 1.28 gallons (4.85 liters) per minute at greater than 8 ounces-force.

**25.08.075 – Air Admittance Valves.**

A subsection, designated "913 Air Admittance Valves" is added to read as follows:

**913 Air Admittance Valves**

913.1 General. Vent systems utilizing air admittance valves shall comply with this section. Stack-type air admittance valves shall conform to ASSE 1050. Individual and branch-type air admittance valves shall conform to ASSE 1051. All air admittance valves shall meet all performance standards of: ASSE 1050, ASSE 1051.

913.2 Installation. The valves shall be installed in accordance with the requirements of this section and the manufacturer's instructions. Air admittance valves shall be installed after the DWV testing required by Section 318.0 or 712.0 has been performed.

913.3 Where permitted. Individual, branch and circuit vents shall be permitted to terminate with a connection to an individual or branch-type air admittance valve in accordance with Section 913.3.1. Stack vents and vent stacks shall be permitted to terminate to stack-type air admittance valves in accordance with Section 913.3.2.

913.3.1 Horizontal branches. Individual and branch-type air admittance valves shall vent only fixtures that are on the same floor level and connect to a horizontal branch drain. Where the horizontal branch is located more than four branch intervals from the top of the stack, the horizontal branch shall be provided with a relief vent that shall connect to a vent stack or stack vent, or extend outdoors to the

open air. The relief vent shall connect to the horizontal branch drain between the stack and the most downstream fixture drain connected to the horizontal branch drain. The relief vent shall be sized in accordance with Table 703.2 and installed in accordance with Section 905. The relief vent shall be permitted to serve as the vent for other fixtures.

**913.3.2 Stack.** Stack-type air admittance valves shall be prohibited from serving as the vent terminal for vent stacks or stack vents that serve drainage stacks having more than six branch intervals.

**913.4 Location.** Individual and branch-type air admittance valves shall be located at not less than 4 inches (102 mm) above the horizontal branch drain or fixture drain being vented. Stack-type air admittance valves shall be located at not less than 6 inches (152 mm) above the flood level rim of the highest fixture being vented. The air admittance valve shall be located within the maximum developed length permitted for the vent. The air admittance valve shall be installed at not less than 6 inches (152 mm) above insulation materials.

**913.5 Access and ventilation.** Access shall be provided to all air admittance valves. Such valves shall be installed in a location that allows air to enter the valve.

**913.6 Size.** The air admittance valve shall be rated in accordance with the standard for the size of the vent to which the valve is connected.

**913.7 Vent required.** Within each plumbing system, the drainage piping of each building and each connection to public sewer or a private sewage disposal system shall be vented by means of one or more vent pipes, the aggregate cross-sectional area of which shall be not less than that of the largest required building sewer and shall extend outdoors to the open air.

**913.8 Prohibited installations.** Air admittance valves shall not be installed in non-neutralized special waste systems. Air admittance valves shall not be located in spaces utilized as supply or return air plenums. Air admittance valves shall not be used to vent sumps or tanks except where the vent system for the sump or tank has been designed by an engineer. Air admittance valves shall not be installed on outdoor vent terminals for the sole purpose of reducing clearances to gravity air intakes or mechanical air intakes.

**25.08.080 - Referenced Standards.**

A subsection designated "1701.1 Standards" is amended to read as follows:

Amend Table 1701.1 Referenced Standards by adding:

Standard Number	Standard Title	Application	Referenced Sections
ANSI/ASSE 1050-2009	Performance Requirements for Stack Air Admittance Valves for Sanitary Drainage Systems	Air Admittance Valves	913.1
ANSI/ASSE 1051-2009	Performance Requirements for Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems	Air Admittance Valves	913.1

SECTION 2. If any section of this ordinance or portion thereof is for any reason held invalid or unconstitutional by any court of competent jurisdiction, the other sections of this ordinance shall remain valid.

SECTION 3. All ordinances, parts of ordinances, chapters, sections, subsections, clauses, phrases, or sentences contained in the Code of Clark County in conflict with this ordinance are hereby repealed.

SECTION 4. This ordinance shall take effect January 1, 2020, and be in force from and after the date set forth below, after its passage and the publication thereof by title only, together with the names of the County Commissioners voting for or against its passage, in a newspaper published in and having a general circulation in Clark County, Nevada, at least once a week for a period of two (2) weeks.

PROPOSED on the 3rd day of December, 2019

PROPOSED BY Marilyn Kirkpatrick

PASSED on the \_\_\_ day of \_\_\_\_\_, 2019

AYES: \_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

NAYES: \_\_\_\_\_

\_\_\_\_\_

ABSTAINING: \_\_\_\_\_

ABSENT: \_\_\_\_\_

\_\_\_\_\_

BOARD OF COUNTY COMMISSIONERS  
CLARK COUNTY, NEVADA

BY: \_\_\_\_\_

Marilyn Kirkpatrick, Chairman

ATTEST:

\_\_\_\_\_  
LYNN GOYA, County Clerk

This ordinance shall be in force and effect from and after the 1st day of January 2020.