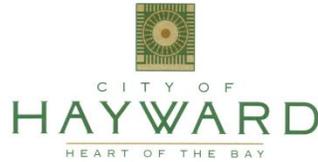


EFFECTIVE MARCH 4, 2010



NEW INDOOR WATER USE EFFICIENCY STANDARDS

On February 2, 2010, the Hayward City Council adopted the Indoor Water Use Efficiency (WUE) Ordinance, which establishes water use standards for all new development and certain remodel projects. These requirements apply to water using fixtures and equipment. The purpose of the Ordinance is to reduce water demand. Use of high efficiency fixtures will save money on water, and in some cases, energy use. The following information has been provided in order to give applicants an overall understanding of the new requirements, projects that are subject to the requirements, and financial incentives that may be available for the purchase of some high efficiency fixtures. A copy of the complete ordinance may be reviewed on the City's website at www.hayward-ca.gov, by sending an e-mail to utilities.administration@hayward-ca.gov or calling (510) 583-4723.



I. WATER USE STANDARDS

The following table summarizes the requirements for water using fixtures and devices:

Fixture	Residential	Non-Residential
Toilets (if existing toilets exceed 1.6 gpf)	≤ 1.28 gpf	≤ 1.28 gpf
Urinals (if existing urinals exceed 0.5 gpf)	≤ 0.5 gpf	≤ 0.5 gpf
Showerheads	≤ 2.0 gpm	≤ 2.0 gpm
Bathroom faucets	≤ 1.5 gpm	≤ 0.5 gpm
Kitchen faucets	≤ 2.2 gpm	≤ 2.2 gpm
Clothes washers ⁽¹⁾	≤ 6.0 Water Factor	≤ 6.0 Water Factor
Dishwashers ⁽²⁾	≤ 6.5 gal/cycle, or Energy Star Qualified	Energy Star Qualified
Cooling towers	≥ 5 - 10 cycles, or ≥ 2.5 LSI	≥ 5 - 10 cycles, or ≥ 2.5 LSI
Food steamers	--	Boilerless, or Self-contained
Ice machines	--	≤ 25 gal/100 lbs ice, or Air-cooled
Pre-rinse spray valves	--	≤ 1.15 gpm
Automatic vehicle wash facilities	--	≥ 50% of water that is recycled on site
Commercial refrigeration	--	Closed loop, or Air-cooled
Meters ⁽³⁾	Submeters for RMF, and Separate meter for outdoor if landscape >5000 sq. ft.	Submeters, and Separate meter for outdoor if landscape >5000 sq. ft.

Notes

- (1) Clothes Washing Machines: Only clothes washing machines that are installed by project applicants as part of the project must comply with the standard. Units purchased after completion of the project are exempt.
- (2) Dishwashers: Applicants are not required to replace existing dishwashers; however, if replacement dishwashers are installed as part of the project, they must comply with the applicable standard. Units purchased after completion of the project are exempt.
- (3) Submeters: Water submeters are only required for new multi-family residential and non-residential projects.

II. APPLICABILITY

The indoor WUE standards are applicable to all new residential and non-residential construction that requires building permits, plan check, design review, or new or expanded water service.

The requirements also apply to remodel projects that require building permits, plan check, design review, or new or expanded water service, and meet the following criteria:

- a. Involve any changes to a kitchen and/or bathroom; or
- b. Exceed 500 square feet; or
- c. Exceed \$50,000 in cost

Kitchen and bathroom remodel projects that are less than 500 square feet and \$50,000 in cost require only replacement of fixtures within the remodel rooms.

Note: Existing toilets that use 1.6 gallons per flush or less and existing urinals that use 0.5 gallons per flush or less are not required by the provisions of the City's ordinance to be replaced, regardless of the project size or valuation.

The following examples are intended to help clarify whether the requirements are applicable to your project and which fixtures must meet the new standards.

Example A Project is a residential bathroom remodel. The affected space is 80 square feet. The estimated cost of the project is \$20,000. The existing toilet was installed prior to 1992 and uses more than 1.6 gallons of water per flush.

The following fixtures must comply with the WUE standards, including replacement of existing fixtures if necessary:

- Toilet
- Showerhead
- Bathroom faucet(s)

Example B Project is a residential kitchen remodel. The affected space is 200 square. The estimated cost of the project is \$75,000. There are two bathrooms in the house; one of the toilets was installed before 1992 and uses more than 1.6 gallons of water per flush and the other toilet was installed after 1992.

The following fixtures must comply with the WUE standards, including replacement of existing fixtures if necessary:

- Kitchen and bathroom faucets
- Dishwasher (if it is being replaced as part of the project)
- Showerhead
- Pre-1992 toilet

Example C Project is a commercial tenant improvement. The affected space is 2,500 square feet. The estimated cost of the project is \$200,000. The toilets and urinals in the building were installed before 1992 and use more than 1.6 and 0.5 gallons of water per flush respectively.

The following fixtures must comply with the WUE standards, including replacement of existing fixtures if necessary:

- Kitchen and bathroom faucets
- Toilets
- Urinals
- Showerheads
- Cooling towers

Example D Project is a restaurant kitchen renovation. The affected space is 200 square feet. The estimated cost of the project is \$40,000. The toilets and urinals were installed after 1992 and use less than 1.6 and 0.5 gallons of water per flush respectively.

The following fixtures must comply with the WUE standards, including replacement of existing fixtures if necessary:

- Kitchen faucets
- Food steamers
- Ice machines
- Pre-rinse spray valves
- Refrigeration
- Dishwasher (if it is being replaced as part of the project)

Note: The above examples are not intended to be a complete list of project types that may be subject to the water use efficiency standards. If you are uncertain about the applicability of the requirements to your project, please inquire at the City's Permit Center.

III. PROCEDURES

Attached to this summary is an Indoor Water Use Efficiency Checklist to help you comply with the water use standards. Complete the project information section, and the number of applicable devices and the water use unit for the fixtures that you have selected for your project. If a standard does not apply to your project, use the “Number of Devices and Unit Water Use” column to briefly explain. Examples of reasons that a standard would not apply include:

- Existing toilet is 1.6 gpf
- Existing urinal is 0.5 gpf
- New clothes washer (or dishwasher) not being installed
- Fixture not applicable to project (e.g., residential projects are not likely to include urinals)

Sign and date the form, and submit it with your building permit application. The form must be completed and approved by Building Inspection prior to the issuance of building permits for your project. Building Inspectors will verify that the installed fixtures meet the water use efficiency standards indicated in the checklist.

IV. REBATES

The City of Hayward may offer financial rebates for the purchase of some high efficiency fixtures, subject to availability of funds. The following rebates are available as of March 1, 2010:

- Replacement of existing high water using toilets with qualified high efficiency models – Up to \$150 per toilet. Limited to three toilets per dwelling unit (residential) and ten toilets per facility (non-residential)
- Purchase of qualified high efficiency clothes washing machines - \$175 per machine (in combination with PG&E rebate)

Information about each of the current programs, and an application, is attached. Please visit the City’s website, www.hayward-ca.gov, for updated information.

In addition, we encourage you to visit the PG&E rebate website, www.pge.com/rebates, for information on other financial incentives that may be available for the purchase of resource efficient equipment and appliances

Attachments: Indoor Water Use Efficiency Checklist
High Efficiency Toilet Rebate Application
High Efficiency Clothes Washer Rebate Application

(Dated 3-1-2010)

CITY OF HAYWARD

INDOOR WATER USE EFFICIENCY CHECKLIST

To Be Completed by Applicant

I certify that the subject project meets the specified requirements of the Indoor Water Use Efficiency Ordinance.

Signature _____

Date _____

Project Information

Single Family Multi-Family Commercial Institutional Irrigation only Industrial Other:

Applicant Name (print): _____

Contact Phone #: _____

Project Site Address: _____

of Units: _____

Project Area (sq.ft. or acre): _____

Estimated Cost \$ _____

of Meters: _____

Fixture	Requirements			Number of Devices and Unit Water Use	Agency Review		
	Single-Family Residential	Multi-Family and Non-Residential	Units		Complies	Does not comply	
Toilets	< 1.28	< 1.28	gpf			<input type="checkbox"/>	<input type="checkbox"/>
Urinals	--	≤ 0.5	gpf			<input type="checkbox"/>	<input type="checkbox"/>
Showers	≤ 2.0	≤ 2.0	gpm			<input type="checkbox"/>	<input type="checkbox"/>
Bathroom faucets	≤ 1.5	≤ 0.5	gpm			<input type="checkbox"/>	<input type="checkbox"/>
Kitchen faucets	≤ 2.2	≤ 2.2	gpm			<input type="checkbox"/>	<input type="checkbox"/>
Clothes washers	≤ 6.0	≤ 6.0	Water Factor			<input type="checkbox"/>	<input type="checkbox"/>
Dishwashers	≤ 6.5 or Energy Star	Energy Star	gal/cycle			<input type="checkbox"/>	<input type="checkbox"/>
Cooling towers	--	≥ 5 to 10 or ≥ 2.5	cycles LSI			<input type="checkbox"/>	<input type="checkbox"/>
Food steamers	--	Boilerless or Self-Contained	--			<input type="checkbox"/>	<input type="checkbox"/>
Ice machines	--	≤ 25 or Air-cooled	gal/100 lbs ice			<input type="checkbox"/>	<input type="checkbox"/>
Pre-rinse spray valves	≤ 1.15	≤ 1.15	gpm			<input type="checkbox"/>	<input type="checkbox"/>
Automatic vehicle wash facilities	--	> 50% of the water is recycled	--			<input type="checkbox"/>	<input type="checkbox"/>
Commercial refrigeration	--	Closed loop or Air-cooled	--			<input type="checkbox"/>	<input type="checkbox"/>
Meters	--	Submeters	--			<input type="checkbox"/>	<input type="checkbox"/>
	Separate meter for outdoor if landscape is greater than 5,000 sq.ft.	Separate meter for outdoor if landscape is greater than 5,000 sq.ft.	--			<input type="checkbox"/>	<input type="checkbox"/>

CITY OF HAYWARD

INDOOR WATER USE EFFICIENCY CHECKLIST

To Be Completed by Agency

Plan Checker:

Materials Received and Reviewed:

- Indoor Water Use Efficiency Checklist
- Project Plans

Date Reviewed:

- Follow up required (explain):

Date Resubmitted:

Material Distributed to Applicant

- Indoor Water Use Efficiency Ordinance
- Information on qualifying fixtures and appliances
- Other:

Building Inspector:

Date Inspected:

- Follow up required (explain):

Date Approved:

Measures Recommended to Applicant

- On-demand/tankless water heater
- Leak detection methods
- Water-efficient landscaping
- Other:

Comments:

Selected Definitions:

- | | |
|-----------------|-----------------------------------|
| gal/100 lbs ice | gallons per hundred pounds of ice |
| gal/cycle | gallons per cycle |
| gpf | gallons per flush |
| gpm | gallons per minute |
| LSI | Langlier Saturation Index |
| sq.ft. | square feet |
| > | greater than |
| ≤ | less than or equal to |
| ≥ | greater than or equal to |

(Prep 3-2-10)