MEMORANDUM

Agenda Item No. 14(A)(13)

TO:	Honorable Chairman Bruno A. Barreiro and Members, Board of County Commissioners	**DATE:**	May 20, 2008
FROM:	R. A. Cuevas, Jr. County Attorney	**SUBJECT:**	Ordinance relating to Water Use Efficiency Standards

The accompanying ordinance was prepared and placed on the agenda at the request of Commissioner Natacha Seijas.

R. A. Cuevas, Jr.
County Attorney

RAC/bw

MEMORANDUM

(Revised)

TO: Honorable Chairman Bruno A. Barreiro and Members, Board of County Commissioners

DATE: May 20, 2008

FROM: R. A. Cuevas, Jr. County Attorney

SUBJECT: Agenda Item No. 14(A)(13)

Please note any items checked.

✓ "4-Day Rule" ("3-Day Rule" for committees) applicable if raised

✓ 6 weeks required between first reading and public hearing

✓ 4 weeks notification to municipal officials required prior to public hearing

____ Decreases revenues or increases expenditures without balancing budget

____ Budget required

____ Statement of fiscal impact required

____ Bid waiver requiring County Manager's written recommendation

____ Ordinance creating a new board requires detailed County Manager's report for public hearing

____ Housekeeping item (no policy decision required)

____ No committee review

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 14(A)(13)
5-20-08

ORDINANCE NO. _____

ORDINANCE RELATING TO WATER USE EFFICIENCY STANDARDS; AMENDING SECTIONS 8-31, 32-84, AND 8A-381 OF THE CODE OF MIAMI-DADE COUNTY, FLORIDA; CHANGING EFFECTIVE DATES TO JANUARY 1, 2009 AND CLARIFYING STANDARDS FOR PLUMBING FIXTURES, FIXTURE FITTINGS AND APPLIANCES; PROVIDING SEVERABILITY; INCLUSION IN CODE AND AN EFFECTIVE DATE

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA:

Section 1. Section 8-31 of the Code of Miami-Dade County is hereby amended to read as follows: [1]

Sec. 8-31. Local Technical Amendments to Florida Building Code

(A) The County hereby adopts the following local technical amendments to Chapter 6 (Plumbing) of the Florida Building Code.

604.4 Maximum flow and water consumption.

The maximum water consumption flow rates and quantities for all plumbing fixtures, fixture fittings and appliances shall be in accordance with Table 604.4. Effective [[~~July 1, 2008~~]] >>January 1, 2009,<< permit applications for new residential and commercial structures shall include high efficiency plumbing fixtures, fixture fittings and appliances as provided in Table 604.4. Such high efficiency plumbing fixtures, fixture fittings and appliances shall comply with the specifications >>in Table 604.4 or have received the [[~~of~~]] U.S. Environmental Protection Agency (EPA) WaterSense >>Label.<< [[~~Program or the Uniform North American Requirements (UNAR) Guidelines and Specifications.~~]]

1Words Stricken through and/or [[double bracketed]] shall be deleted. Words underscored and/or >>double arrowed<< constitute the amendment proposed. Remaining provisions are now in effect and remain unchanged.

Exceptions:

1. Blowout design water closets [3.5 gallons (13L) per flushing cycle].
2. Vegetable sprays.
3. Clinical sinks [4.5 gallons (17 L) per flushing cycle].
4. Service sinks.
5. Emergency showers.

TABLE 604.4

MAXIMUM FLOW RATES AND CONSUMPTION FOR PLUMBING FIXTURES, FIXTURE FITTINGS AND APPLIANCES

PLUMBING FIXTURE OR FIXTURE FITTING	MAXIMUM FLOW RATE [b]
Lavatory, private	[[~~1.0~~]] >>1.5<<gpm at 60 psi
Lavatory, public, (metering)	0.25 gallon per metering cycle
Lavatory, public (other than metering)	0.5 gpm at 60 psi
Shower head [a]	1.5 gpm at 80 psi
Sink faucet	[[~~1.0~~]] >>1.5<< gpm at 60 psi
Urinal	Waterless or 0.5 gallon per flushing cycle
Water closet	1.28 gallons per flushing cycle
Dishwasher (residential)	6.5 gallons per cycle or less (Energy Star/Water Sense Certified) [c]
Dishwasher (commercial	less than 1.2 gallons per rack for fill and dump machines and less than 0.9 gallons per rack for all other types of machines
Under the counter machines	1.0 gallon or less per rack for high-temperature machines and 1.7 gallons per rack for low-temperature machines
Washing machine	Water factor of 8 or lower (Energy Star/Water Sense Certified) [c]

For SI: 1 gallon = 3.785 L, 1 gallon per minute = 3.785 L/m
1 pound per square inch = 6.895 kPa.

a. A hand-held shower spray is a shower head.
b. Consumption tolerances shall be determined from referenced standards.
c. Water factor in gallons per cycle per cubic foot.

(B) The County hereby adopts the following local technical amendments to Chapter 29 (Residential) of the Florida Building Code.

P2903.2 Maximum flow and water consumption.

The maximum water consumption flow rates and quantities for all plumbing fixtures, fixture fittings and appliances shall be in accordance with Table P2903.2a. Effective [[~~July 1, 2008~~]] >>January 1, 2009,<< permit applications for new residential structures shall include high efficiency plumbing fixtures, fixture fittings and appliances as provided in Table P2903.2a. Such high efficiency plumbing fixtures, fixture fittings and appliances shall comply with the specifications >>in Table P2903.2a or have received the<<of U.S. Environmental Protection Agency (EPA) WaterSense >>Label.<< [[~~Program or the Uniform North American Requirements (UNAR) Guidelines and Specifications.~~]]

TABLE P2903.2a
MAXIMUM FLOW RATES AND CONSUMPTION FOR
PLUMBING FIXTURES, FIXTURE FITTINGS AND APPLIANCES

PLUMBING FIXTURE OR FIXTURE FITTING	PLUMBING FIXTURE OR FIXTURE FITTING MAXIMUM FLOW RATE [b]
Lavatory faucet	[[~~1.0~~]] >>1.5<<gpm at 60 psi
Shower head [a]	1.5 gpm at 80 psi
Sink faucet	[[~~1.0~~]] >>1.5<<gpm at 60 psi
Water closet	1.28 gallons per flushing cycle
Dishwasher (residential)	6.5 gallons per cycle or less (Energy Star/Water Sense Certified) [c]
Washing Machine	Water factor of 8 or lower (Energy Star/Water Sense Certified) [c]

For SI: 1 gallon = 3.785 L, 1 gallon per minute = 3.785 L/m
1 pound per square inch = 6.895 kPa.
a. A handheld shower spray is a showerhead.
b. Consumption tolerances shall be determined from referenced standards.
c. Water factor in gallons per cycle per cubic foot

Section 2. Section 32-84 of the Code of Miami-Dade County, Florida is hereby amended to read as follows:

Sec. 32-84. Water use efficiency standards manual

The Miami-Dade Water and Sewer Department ("MDWASD"), in consultation with the Planning Department and such other applicable county departments and agencies, shall publish a water use efficiency standards manual to achieve maximum water savings in new residential and commercial developments in the incorporated and unincorporated areas of Miami-Dade County. The manual shall be initially published on [[~~July 1, 2008~~]] >>January 1, 2009<< and [[~~shall~~]] >>may<< be updated annually on [[~~July 1~~]] >>January 1<< following approval by the County Commission. Each applicant for water service to a new residential or commercial development in incorporated and unincorporated areas of Miami-Dade County shall include in its application every water use efficiency standard that will be incorporated into the new development. The County or applicable municipality shall review the application for compliance with the manual. In evaluating the application for compliance, the County or applicable municipality will consider the availability of products required to implement the water use efficiency standards. The developer's agreement for water service shall include the water use efficiency standards approved by the County.

Section 3. Section 8A-381 of the County of Miami-Dade County, Florida is hereby amended to read as follows:

Sec. 8A-381. Intent and application.

* * *

(c) The provisions of this article shall apply to multiple unit properties utilizing water services. Effective [[~~July 1, 2008~~]] >>January 1, 2009<<, all permit applications for new multi-family residential developments shall be required to include a submeter for each individual dwelling unit.<<

Section 4. If any section, subsection, sentence, clause or provision of this ordinance is held invalid, the remainder of this ordinance shall not be affected by such invalidity.

Section 5. It is the intention of the Board of County Commissioners, and it is hereby ordained that the provisions of this ordinance, including any Sunset provision, shall become and be made a part of the Code of Miami-Dade County, Florida. The sections of this ordinance may be renumbered or relettered to accomplish such intention and the word "ordinance" may be changed to "section", "article" or other appropriate word.

Section 6. This ordinance shall become effective ten (10) days after the date of enactment unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

PASSED AND ADOPTED:

Approved by County Attorney as
to form and legal sufficiency.

Prepared by:

Henry N. Gillman

Sponsored by Commissioner Natacha Seijas