

File No. 150350

Committee Item No. 1
Board Item No. 30

COMMITTEE/BOARD OF SUPERVISORS

AGENDA PACKET CONTENTS LIST

Committee: Land Use & Transportation

Date June 8, 2015

Board of Supervisors Meeting

Date June 16, 2015

Cmte Board

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| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Legislative Digest |
| <input type="checkbox"/> | <input type="checkbox"/> | Budget and Legislative Analyst Report |
| <input type="checkbox"/> | <input type="checkbox"/> | Youth Commission Report |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Introduction Form |
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Completed by: Andrea Ausberry Date June 5, 2015
Completed by: _____ Date _____

1 [Health, Public Works Codes - Mandatory Use of Alternate Water Supplies In New
2 Construction]

3 Ordinance amending Health Code, Article 12C, to require that new buildings of 250,000
4 square feet or more of gross floor area be constructed, operated, and maintained using
5 available alternate water sources for toilet and urinal flushing and irrigation; that new
6 buildings of 40,000 square feet or more of gross floor area prepare water budget
7 calculations; and that subdivision approval requirements include compliance with
8 Article 12C; amending the Public Works Code to provide that pipelines and other
9 facilities constructed in accordance with Article 12C and located in public rights-of-way
10 are subject to approval as minor encroachments and exempt from payment of public
11 right-of-way occupancy assessment fees; and affirming the Planning Department's
12 determination under the California Environmental Quality Act.

13 NOTE: Unchanged Code text and uncodified text are in plain Arial font.
14 Additions to Codes are in *single-underline italics Times New Roman font*.
15 Deletions to Codes are in *strikethrough italics Times New Roman font*.
16 Board amendment additions are in double-underlined Arial font.
17 Board amendment deletions are in ~~strikethrough Arial font~~.
18 Asterisks (* * * *) indicate the omission of unchanged Code
19 subsections or parts of tables.

20 Be it ordained by the People of the City and County of San Francisco:

21 Section 1. The Planning Department has determined that the actions contemplated in
22 this ordinance comply with the California Environmental Quality Act (California Public
23 Resources Code Sections 21000 et seq.). Said determination is on file with the Clerk of the
24 Board of Supervisors in File No. 150350 and is incorporated herein by reference. The Board
25 affirms this determination.

1 Section 2. Article 12C of the Health Code is hereby amended by revising and
2 renumbering Sections 850-861 as follows (with new section numbers in parentheses): 850
3 (12C.1), 851 (12C.2), 852 (12C.3), 853 (12C.5), 854 (12C.6), 855 (12C.7), 856 (12C.8), 857
4 (12C.9), 858 (12C.10), 859 (12C.11), 860 (12C.12), and 861 (12C.13), and adding new
5 Section 12C.4, to read as follows:

6 **SEC. ~~850~~12C.1. PURPOSE AND FINDINGS.**

7 The Board of Supervisors finds that:

8 (a) All California water users are responsible for making effective use of the
9 available water resources.

10 (b) The development of alternate water source systems will assist in meeting future
11 water requirements of the City and lessen the impacts of new developments on the City's
12 sewer system.

13 (c) Establishing a regulatory structure that provides administrative efficiency and a
14 streamlined project approval process will assist developers who opt to design, install, operate,
15 and maintain alternate water source systems.

16 (d) Adoption of ~~this ordinance~~ Article 12C by the Board of Supervisors and adoption of
17 rules and regulations by the Department of Public Health will help achieve the City's goals for
18 water supply use and preservation by:

19 (1) Promoting the values and benefits of non-potable water use while recognizing
20 the need to invest water and other resources as efficiently as possible;

21 (2) Encouraging the use of non-potable water for non-potable applications; ~~and~~

22 (3) Replacing potable water use for toilet and urinal flushing and irrigation to the
23 maximum extent possible with alternative water sources.

24 (e) It shall be City policy that within five years of the effective date of Ordinance No. _____,
25 adding this subsection (e) to Article 12C, the City shall use only non-potable water for the purpose of

1 irrigating and cleaning parks, streets and other public spaces. Within two years of the effective date of
2 that ordinance, the City Administrator, in consultation as appropriate with other City departments,
3 boards, and commissions, including, among others, the Recreation and Park Department, Department
4 of Public Works, Port of San Francisco, San Francisco International Airport, Department of Real
5 Estate, and Capital Planning Committee, shall study what will be required to accomplish this policy,
6 including associated costs, and report the results of the study to the Mayor and Board of Supervisors.
7 Upon receiving this study, the Board of Supervisors intends to evaluate any changes to the law and
8 Capital Plan needed to implement this policy.

9 **SEC. 85112C.2. DEFINITIONS.**

10 The terms used in this Article 12C have the meaning set forth below:

11 **Alternate Water Source:** a source of non-potable water that includes Graywater,
12 on-site treated non-potable water, Rainwater, Blackwater, and any other source approved by
13 the Director.

14 Blackwater-Black Water: wastewater containing bodily or other biological wastes,
15 as from toilets, dishwashers, kitchen sinks, and utility sinks.

16 **City:** the City and County of San Francisco.

17 Development Project: Construction of new buildings. Development Projects are Large
18 Development Projects and Small Development Projects.

19 **Director:** the Director of Public-Health or any individual designated by the Director to
20 act on his or her behalf.

21 **District:** a group of two or more parcels that share Alternate Water Sources.

22 **First Certificate of Occupancy:** either a temporary certificate of occupancy or a
23 Certificate of Final Completion and Occupancy as defined in San Francisco Building Code
24 Section 109A, whichever is issued first.

1 **Foundation Drainage:** nuisance groundwater that is extracted to maintain a
2 building's or facility's structural integrity and would otherwise be discharged to the City's sewer
3 system. Foundation Drainage does not include non-potable groundwater extracted for a
4 beneficial use that is subject to City groundwater well regulations.

5 **General Manager:** the General Manager of the San Francisco Public Utilities
6 Commission, or any individual designated by the General Manager to act on his or her behalf.

7 **Graywater:** untreated wastewater that has not been contaminated by any toilet
8 discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and
9 does not present a threat from contamination by unhealthful processing, manufacturing, or
10 operating wastes. "Graywater" includes, but is not limited to, wastewater from bathtubs,
11 showers, bathroom sinks, lavatories, clothes washing machines, and laundry tubs, but does
12 not include wastewater from kitchen sinks or dishwashers.

13 **Large Development Project:** Construction of a new building with total gross floor area of
14 250,000 square feet or more:

15 a) located within the boundaries of the Reclaimed Water Use Map designated in accordance
16 with Sections 1203 and 1209 of the Public Works Code and subject to a site permit or building permit
17 that is final and effective after November 1, 2015; or

18 b) located outside the boundaries of the Reclaimed Water Use Map designated in accordance
19 with Sections 1203 and 1209 of the Public Works Code and subject to a site permit or building permit
20 that is final and effective after November 1, 2016.

21 Large Development Projects are not limited to buildings constructed by individuals or non-
22 governmental entities but, to the extent allowed by law, also include buildings constructed and
23 operated by any local, state, or federal government entity, including the City and County of San
24 Francisco.

1 **Large Development Project Applicant:** The person or entity applying for authorization to
2 construct and operate a Large Development Project.

3 **Multi-Family Residential Building:** A building that contains three or more dwelling
4 units.

5 **Non-potable Water:** Non-potable water collected from alternate water sources,
6 treated, and intended to be used on the Project Applicant's site or District parcels and is
7 suitable for direct beneficial use.

8 **Non-potable Water Engineering Report:** Report submitted by Project Applicant to
9 the Director describing the alternate water source system in accordance with the rules and
10 regulations adopted by the Department of Public Health.

11 **Non-residential:** A building that contains occupancies other than dwelling units.

12 **NSF 350 System:** Any treatment system certified by NSF International to meet
13 NSF/ANSI Standard 350 for Onsite Residential and Commercial Reuse Treatment Systems,
14 as amended from time to time.

15 **Permittee:** owner or operator of an on-site treated Non-potable Water system.

16 **Project Applicant:** the person or entity applying for authorization to install and use
17 an Alternate Water Source project.

18 **Rainwater:** precipitation collected from roof surfaces or other manmade,
19 aboveground collection surfaces.

20 **Small Development Project:** Construction of a new building with a total gross floor area of
21 40,000 square feet or more, but less than 250,000 square feet. Small Development Projects are not
22 limited to buildings constructed by individuals or non-governmental entities but, to the extent allowed
23 by law, also include buildings constructed and operated by any local, state, or federal government
24 entity, including the City and County of San Francisco.

1 *Small Development Project Applicant: The person or entity applying for authorization to*
2 *construct and operate a Small Development Project.*

3 **Small Residential Building:** A building that contains no more than two dwelling
4 units.

5 **Stormwater:** Precipitation collected from at-grade or below grade surfaces.

6 *Water Budget: The calculation of the potential volume of onsite alternate water supplies and*
7 *demands of a Development Project and any other building subject to this Article 12C.*

8 *Water Budget Calculator: The water use calculation application approved by the General*
9 *Manager that provides for the assessment of a proposed onsite water system, alternate water sources,*
10 *and the end uses of the alternate water source.*

11 **Water Budget Documentation:** An in-depth assessment of the *P*project *A*applicant's
12 non-potable water use, including survey information, water meter readings, water service
13 billing information, *A*alternate *W*water *S*source schematic drawings, or any other information
14 deemed necessary by the General Manager.

15 **SEC. 85212C.3. APPLICABILITY.**

16 This Article *12C* shall apply to the installation and operation of the *A*alternate *W*water
17 *S*source systems at *Large Development Projects, and to the voluntary installation and operation of*
18 *the alternate water source systems at* sites containing multi-family and non-residential buildings
19 *that are not Large Development Projects.* This Article does not apply to:

- 20 (a) Systems at small residential occupancies.
- 21 (b) Graywater systems where *G*graywater is collected solely for subsurface irrigation
22 and does not require disinfection, as determined by the Director.
- 23 (c) Rainwater systems where *R*rainwater is collected solely for subsurface irrigation,
24 drip irrigation, or non-sprinkled surface applications and does not require disinfection, as
25 determined by the Director.

1
2 **SEC. 12C.4. DEVELOPMENT PROJECT REQUIREMENTS.**

3 (a) Large Development Projects shall be constructed, operated, and maintained in compliance
4 with the following:

5 (1) All toilet and urinal flushing and irrigation demands shall be met through the
6 collection and reuse of available onsite Rainwater, Graywater, and Foundation Drainage, to the extent
7 required by application of the Water Budget Documentation developed for each Development Project.

8 (2) A Large Development Project Applicant shall use the Water Budget Calculator, as
9 provided by the General Manager's rules, to prepare a Water Budget assessing the amount of
10 Rainwater, Graywater, and Foundation Drainage produced on site, and the planned toilet and urinal
11 flushing and irrigation demands.

12 (3) If, based on the Water Budget Documentation, the available supply from onsite
13 sources exceeds the demands for toilet and urinal flushing and irrigation, 100% of those demands shall
14 be met by using the available onsite sources. If, based on the Water Budget Documentation, the
15 available supply from onsite sources is less than the demands for toilet and urinal flushing and
16 irrigation, 100% of the available onsite supply shall be used to meet the demands for toilet and urinal
17 flushing and irrigation. Available ~~Blackwater~~ Black Water or Stormwater supplies may be used
18 instead of, or in addition to Rainwater, Graywater, and Foundation Drainage to meet the requirements
19 of this subsection.

20 (4) Small Development Project Applicants shall use the Water Budget Calculator, as
21 provided by the General Manager's rules, to prepare a Water Budget assessing the amount of
22 Rainwater, Graywater and Foundation Drainage produced on site, and the planned toilet and urinal
23 flushing and irrigation demands.

24 (5) City departments shall not issue an encroachment permit, a site permit, or plumbing
25 permit for a Large Development Project or a Small Development Project, or approve a Non-potable

1 Water Engineering Report, prior to the General Manager's determination that the Water Budget
2 Documentation has been prepared in accordance with the General Manager's rules for Water Budget
3 calculations.

4 (b) Subdivision Approvals.

5 (1) Parcel Map or Tentative Subdivision Map Conditions. The Director of Public Works
6 shall not approve a tentative subdivision map or a parcel map for any property unless a condition is
7 imposed requiring compliance with this Article 12C to serve the potential uses of the property covered
8 by the parcel map or tentative subdivision map, as specified in the provisions of this Article.

9 (2) Subdivision Regulations. The Director of Public Works shall adopt regulations
10 consistent with, and in furtherance of this Article 12C.

11 (3) Final Maps. The Director of Public Works shall not endorse and file a final map for
12 property within the boundaries of the City without first determining that:

13 (A) The subdivider has complied with the conditions imposed on the tentative
14 subdivision map or parcel map, pursuant to this Article 12C; and

15 (B) For any such conditions not fully satisfied prior to the recordation of the
16 final map, the subdivider has signed a certificate of agreement and/or improvement agreement, to
17 ensure compliance with such conditions.

18 (4) This Subsection (b) shall not apply to tentative subdivision maps or parcel maps
19 submitted solely for the purposes of condominium conversion, as defined in Subdivision Code Section
20 1308(d).

1 **SEC. 85312C.5. REGULATION OF ALTERNATE WATER SOURCES.**

2 (a) Any person or entity who installs and operates an Alternate Water Source
3 system shall comply with this Article 12C, the rules and regulations adopted by the
4 Department of Public Health, and all applicable local, state, and federal laws.

5 (b) Within 90 days after passage of this ordinance, the Director shall issue rules and
6 regulations regarding the operation of Alternate Water Source systems necessary to
7 effectuate the purposes of the Article and to protect public health and safety. These
8 regulations shall address, at a minimum:

- 9 (1) Water quality criteria;
10 (2) Monitoring and reporting content and frequencies; and
11 (3) Operation and maintenance requirements.

12 (c) The Director shall review applications for Alternative Water Sources systems
13 and may issue or deny such applications, in accordance with applicable laws and regulations.

14 (d) The Department of Building Inspection shall review plans and issue or deny
15 plumbing permits for the construction; installation, or modification of alternate water source
16 systems, in accordance with applicable laws and regulations.

17 **SEC. 85412C.6. PROJECT APPLICANT AND/OR PERMITTEE DESIGN AND**
18 **CONSTRUCTION REQUIREMENTS.**

19 (a) Prior to initiating installation of any Alternate Water Source project, Project
20 Applicants shall submit to the Director an application for permits to operate Alternate Water
21 Source systems. Such applications shall comply with the requirements of this Article 12C and
22 any regulations the Director has issued. Project Applicants shall pay a non-refundable permit
23 application fee to cover the costs of investigation and processing the application and issuing
24 the permit. Each project application submitted to the Director shall include a Non-potable
25 Water Engineering Report that provides project information the Director determines to be

1. necessary for complete review of the proposed project. City departments may not approve or
2 issue permits for any site installing an Alternate Water Source system unless and until the
3 Director has approved the Non-potable Water Engineering Report.

4 The Non-potable Water Engineering Report for District systems must include
5 information on the permanent legal agreements between property owners, and provide
6 documentation that each party is a willing and responsible participant in the District Non-
7 potable Water use.

8 (b) **System Design.** All buildings using Non-potable Water from Alternate
9 Water Source systems shall include:

10 (1) A flow meter on the non-potable distribution system to account for Non-
11 potable Water use;

12 (2) A reduced pressure backflow assembly (RP) within 25 feet of the downstream
13 side of the point of connection or meter to protect the City's public water and/or recycled water
14 system;

15 (3) Signage that state law and the Department of Public Health's rules and
16 regulations require;

17 (4) Cross connection control in accordance with California Code of Regulations
18 Titles 17 and 22 and the San Francisco Public Utilities Commission's Cross Connection
19 Control Program;

20 (5) Any other requirements the Director determines are necessary to protect
21 public health.

22 ~~(c) Water Budget Documentation. Upon submitting a project application to the Director, a~~
23 ~~project applicant shall also submit Water Budget Documentation to the General Manager for review.~~
24 ~~Water Budget Documentation shall include a description and location of the proposed alternate water~~
25 ~~source system, the project's water budget, and other applicable information as determined by the~~

1 ~~General Manager. City departments may not issue an encroachment permit, a site permit or plumbing~~
2 ~~permit, or approve a Non-potable Water Engineering Report unless and until the General Manager has~~
3 ~~reviewed the Water Budget Documentation.~~

4 ~~(d)(c)~~ **Plumbing Permit.** A ~~P~~project ~~A~~applicant shall obtain from the Department of
5 Building Inspection an appropriate plumbing permit and any other building or installation
6 permit required to construct, install, alter, an alternate water source system. Each parcel
7 within a ~~D~~istrict shall obtain appropriate plumbing and any other building or installation
8 permits required.

9 ~~(e)(d)~~ **Encroachment Permit.** A ~~P~~project ~~A~~applicant shall obtain from the
10 Department of Public Works appropriate authorization for placement of any pipelines or other
11 portions of an alternate water source system within the public right-of-way.

12 ~~(f)(e)~~ **Construction Certification Letter.** ~~P~~project ~~A~~applicants shall certify to the
13 Director that alternate water source system construction is complete and consistent with the
14 approved Non-potable Water Engineering Report in accordance with the provisions of this
15 Article 12C and any implementing rules and regulations. City departments may not approve or
16 issue a ~~F~~irst ~~C~~ertificate of ~~O~~ccupancy or approval for any ~~A~~alternate ~~W~~ater ~~S~~ource system
17 until the Director has reviewed and verified the Construction Certification Letter.

18 **SEC. ~~85512C.7.~~ FEES.**

19 (a) The non-refundable application fees for alternative source water system permits
20 are:

21	(1) Rainwater	\$1,544.00
22	(2) NSF 350 systems	\$2,688.00
23	(3) Foundation Drainage	\$5,032.00
24	(4) Graywater	\$5,032.00
25	(5) Black W ater <u>Blackwater</u>	\$9,034.00

1 system. Permittees shall timely submit all water quality monitoring information required by the
2 provisions of this Article ~~12C~~ and the Department of Public Health's rules and regulations.
3 Permittees shall conduct ongoing backflow prevention and cross connection testing in
4 accordance with this Article, the rules and regulations of the Department of Public Health, and
5 all applicable local, state, and federal laws.

6 **SEC. ~~857~~12C.9. NON-POTABLE WATER USE AUDITS.**

7 When required by the General Manager, the ~~P~~permittee or property owner, shall
8 conduct a ~~N~~on-potable ~~W~~water use audit describing the extent of ~~N~~on-potable ~~W~~water use in
9 accordance with requirements provided by the General Manager.

10 **SEC. ~~858~~12C.10. SALE OR TRANSFER OF PERMITS.**

11 (a) Permittees shall notify the Director of any intent to sell or transfer the building or
12 facility containing an ~~A~~alternate ~~W~~water ~~S~~source system 30 days prior to the sale or transfer of
13 property, in accordance with regulations adopted by the Director.

14 (b) Any subsequent owner shall submit documentation to the Director establishing
15 their ability to own, operate and maintain the ~~A~~alternate ~~W~~water ~~S~~source system in accordance
16 with this Article 12C, the rules and regulations adopted by the Department of Public Health,
17 and all applicable local, state, and federal laws, within 90 days of transfer of the property and
18 prior to commencement of operations of the ~~A~~alternate ~~W~~water ~~supply~~-~~Source~~ system.

19 (c) The Director may approve or deny the transfer of the permit to operate to any
20 subsequent owner, in accordance with the requirements of ~~the~~is Article 12C and applicable
21 regulations.

22
23 **SEC. ~~859~~12C.11. INSPECTION AND NOTICES OF VIOLATION.**

1 The Director may inspect any Alternate Water Source system subject to the
2 requirements of this Article 12C to determine compliance with the provisions of this Article and
3 applicable regulations.
4

5
6 **SEC. ~~860~~12C.12. VIOLATION AND PENALTIES.**

7 The Director may impose administrative penalties on any Permittee, or person
8 otherwise subject to the requirements of this Article 12C, who violates any provision of this
9 Article or any applicable rule or regulation shall be subject to enforcement in accordance with
10 Chapter 100 of the San Francisco Administrative Code with respect to administrative
11 penalties, and may pursue any other available legal remedies for such violations.

12 **SEC. ~~861~~12C.13. REVOCATION AND SUSPENSION OF PERMIT.**

13 The Director may order a Permittee to cease operation of an Alternate Water
14 Source system, or may revoke or suspend the permit to operate if the Director determines
15 that:

16 (a) The manager, operator or any employee has violated any provision of this Article
17 12C or any regulation issued pursuant to this Article;

18 (b) The Alternate Water Source system is being operated or maintained in a
19 manner threatening the public health or health of patrons and/or residents; or

20 (c) The owner or operator has refused to allow any duly authorized City official to
21 inspect the premises or the operations of the Alternate Water Source system.
22

23 Section 3. The Public Works Code is hereby amended by revising Section 723.2 to
24 read as follows:
25

1 **SEC. 723.2. MINOR SIDEWALK ENCROACHMENTS.**

2 (a) The Director of Public Works may grant permission, revocable at his or her will,
3 to an owner of property abutting any court, alley or street to install and maintain minor
4 encroachments such as fences, retaining walls, steps or stairways and other minor structures
5 in the sidewalk fronting such property where such encroachments are desirable or convenient
6 in conjunction with the owner's use and enjoyment of the property, or required for the safety,
7 convenience and comfort of the public using the sidewalk. Pipelines or other portions of an
8 alternate water source system constructed within the public right-of-way for the purposes set forth in
9 Article 12C of the Health Code and in accordance with Health Code Section 12C.6 are minor
10 encroachments subject to the requirements of this Section 723.2.

11 (b) Such encroachments shall not occupy more than 10 percent of the area of the
12 sidewalk fronting the property nor more than 25 percent of the width of the sidewalk, unless
13 the Director of Public Works determines that such restrictions are not applicable due to the
14 nature of the encroachment. The Director may require further restrictions or modifications and
15 impose such conditions as he or she deems necessary. No advertisement shall be permitted
16 on the encroachments.

17 (c) In considering the issuance of permits under the provisions of this Section 723.2,
18 the Director of Public Works shall give due regard to the location, neighborhood pattern,
19 anticipated pedestrian traffic, access requirements of the Fire Department, and to the
20 convenience and necessities of the owners, occupants or tenants of offices, stores or shops in
21 the vicinity.

22 (d) The owner of the real property or the owner's authorized agent applying for a
23 permit under the provisions of this Section 723.2 shall agree to hold harmless the City and
24 County of San Francisco, its officers, agents, and employees, from any damage or injury
25 caused by reason of the installation or maintenance of the encroachment in the sidewalk, and

1 the owner or owners or subsequent owner or owners of the respective real property shall be
2 solely liable for any damage or loss occasioned by any act or neglect in respect to the
3 installation or maintenance of the encroachments in the sidewalk.

4 (e) Each permit issued under the provisions of this Section 723.2 shall not become
5 effective until the permit has been signed by the owner or the owner's authorized agent and a
6 copy thereof has been recorded in the office of the Recorder of the City and County of San
7 Francisco. Within 15 days following the approval, denial or revocation of a permit by the
8 Director, any person may file a notice of appeal as follows:

9 (1) Appeals of the revocation or denial of a permit issued by the Director for the
10 following encroachments that impede or otherwise impact the Central Subway Corridor, as
11 defined in Section 723.3(3) of this Code; subsidewalk encroachments below the public right-
12 of-way or other encroachments in, on, and/or below the public right-of-way may be appealed
13 to the Board of Supervisors by filing a notice of appeal with the Clerk of the Board of
14 Supervisors.

15 (2) Appeals of the approval, denial or revocation of all other permits may be
16 appealed by filing a notice of appeal with the Board of Appeal.

17 (3) In the alternative, when the encroachment is related to building
18 construction, rehabilitation or maintenance, any person may appeal the encroachment permit
19 decision to the Building Inspection Commission. A person waives his or her right to appeal to
20 the Building Inspection Commission encroachment permit decisions relating to building
21 construction, rehabilitation or maintenance by instead filing the appeal with the Board of
22 Supervisors or the Board of Appeals. No encroachment permit decision may be appealed to
23 both bodies.

1 (f) For purposes of this Section 723.2, an encroachment permit is related to building
2 construction, rehabilitation or maintenance when the object of the encroachment permit
3 affects the applicant's ability to construct, repair or maintain the building.

4 (g) Pending decision by the Board of Supervisors, the Board of Appeals or the
5 Building Inspection Commission, the permit decision by the Director shall be suspended.

6 (h) Before issuance of the permit, the applicant shall be required to pay to the
7 Department of Public Works a fee as set forth in Section 2.1.1et seq. and a public right-of-way
8 occupancy assessment fee as set forth in subsection (k).

9 (i) Nothing in this Section 723.2 shall be construed as authorizing the Director of
10 Public Works to grant a permit for any encroachment which he or she determines to be
11 inimical to the health, welfare, safety and best interest of the general public, or in violation of
12 the Charter or laws of the City and County of San Francisco or laws of the State of California.

13 (j) The Board of Supervisors, the Board of Appeals or the Building Inspection
14 Commission may affirm, reverse or modify any permit decision made by the Director of Public
15 Works under the provisions of this Section 723.2. The decision by the Board of Supervisors,
16 the Board of Appeals or the Building Inspection Commission is final.

17 (k) The Board of Supervisors reserves the right to exact a public right-of-way
18 occupancy assessment fee for the use of the sidewalk or other public right-of-way space
19 permitted under the provisions of this Section 723.2.

20 (1) In accordance with this sSubsection (k) the public right-of-way occupancy
21 assessment fee for minor sidewalk encroachments, whether permitted or unpermitted and as
22 specified in sSubsection (k)(2), shall be an annual fee of \$3.00 per square foot of occupancy of
23 the sidewalk or other public right-of-way space. For purposes of calculating the assessment
24 fee, the Department shall charge no less than \$100.00 per year even though the calculated
25 square footage charge for the encroachment may result in a smaller assessment fee.

1 (2) The following categories of minor sidewalk encroachments are subject to
2 the public right-of-way occupancy assessment fee:

3 (~~Aa~~) Encroachments in, on, above, or below the public right-of-way that
4 are affixed or appurtenant to any building whose owner obtained a site permit for new
5 construction on or after August 29, 2005. This ~~sub~~Subsection (k)(2)(~~A~~) also shall apply to any
6 commercial, industrial, or mixed-use building whose owner obtained a site permit for new
7 construction prior to August 29, 2005; provided, however, that such building is not located in
8 any Neighborhood Commercial District as designated in Planning Code Article 7 and that the
9 encroachment associated with such building was installed or encroachment permit obtained
10 prior to August 29, 2005. This ~~sub~~Subsection (~~k~~)(2)(~~A~~) shall specifically include, but not be limited
11 to, doors that open over the public right-of-way and subsidewalk basements; provided,
12 however, that this ~~sub~~Subsection shall exclude encroachments for shoring and tiebacks. This
13 ~~sub~~Subsection (~~k~~)(2)(~~A~~) shall not apply to a building that has been converted from a commercial,
14 industrial, or mixed-use building into building containing only residential use.

15 (~~Bb~~) Encroachments associated with a commercial, industrial, or mixed-
16 use building that change the vertical or horizontal plane of an existing sidewalk and modify the
17 existing sidewalk slope pattern in order to provide access necessary to comply with the
18 Americans with Disabilities Act; provided, however, that the building obtained a site permit for
19 new construction on or after August 29, 2005.

20 (~~Cc~~) Any enclosure of the public right-of-way that is used exclusively for
21 private benefit and was installed on or after August 29, 2005. This ~~sub~~Subsection (k)(2)(~~C~~) also
22 shall apply to any enclosure installed prior to August 29, 2005 that is associated with a
23 commercial, industrial, or mixed-use building; provided, however, that the building is not
24 located in any Neighborhood Commercial District as designated in Planning Code Article 7.

25 (~~Dd~~) Underground storage tanks.

1 (3) For purposes of ~~s~~Subsection (k)(2), the term "site permit" also shall mean
2 "building permit."

3 (4) Notwithstanding ~~s~~Subsection (k)(2), no public right-of-way occupancy
4 assessment fee shall be charged against the owner of an historic or architecturally significant
5 building who has installed or seeks a permit to install a minor sidewalk encroachment in order
6 to conform with an applicable Municipal Code; provided, however that this exception shall not
7 apply if the encroachment is a sub-sidewalk basement. For purposes of this ~~s~~Subsection, an
8 historic or architecturally significant building shall be a building so designated pursuant to
9 Planning Code Article 10 or specifically identified as an architecturally significant building on
10 the Planning Department's database or on a list maintained by the Planning Department.

11 (5) Notwithstanding ~~s~~Subsection (k)(2), no public right-of-way occupancy
12 assessment fee shall be charged against the owner of a property for elements installed as a
13 requirement under Planning Code Section 138.1.

14 (~~654~~) Notwithstanding ~~s~~Subsection (k)(2), if a minor sidewalk encroachment
15 permit is necessary for the development of a project including residential units, all of which are
16 affordable to low or moderate income households as defined by the United States Housing
17 and Urban Development Department, then such project shall be exempt from payment of the
18 public right-of-way occupancy assessment fee.

19 (~~76~~) The public right-of-way occupancy assessment fee shall be subject to the
20 review and adjustment procedures as forth in Sections 2.1.1 et seq.

21 (~~87~~) The public right-of-way occupancy assessment fee shall not be charged to
22 any federal, state, or local governmental agencies, commissions, or departments.

23 (~~98~~) Notwithstanding this ~~s~~Subsection (~~km~~), the public right-of-way assessment
24 fee for underground vaults shall be as specified in Section 2.1.1 et seq.
25

1 (10) Notwithstanding this subsection (k)(2), no public right-of-way occupancy
2 assessment fee shall be charged for pipelines or other portions of an alternate water source system
3 constructed within the public right-of-way for the purposes set forth in Article 12C of the Health Code
4 and in accordance with Health Code Section 12C.6.

5 (l) Notwithstanding the fees specified herein, if a project involves voluntary seismic
6 retrofit upgrades to soft-story, wood-frame buildings, as defined by the Director of the
7 Department of Building Inspection, such project applicant shall be exempt from the
8 proportionate share of fees specified under this Section 723.2 and Sections 2.1.1et seq. that is
9 related to such retrofit work.

10
11 Section 4. Utility Fee Adjustments. By enacting this ordinance, the Board of
12 Supervisors urges the Public Utilities Commission to review water and wastewater utility fees
13 and to consider adjustments to those fees that acknowledge the reduced impact of buildings
14 with Alternate Water Source systems.

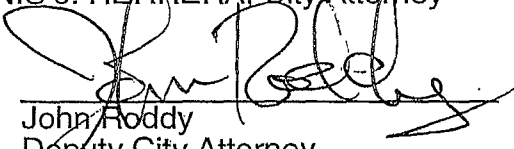
15
16 Section 45. Effective Date. This ordinance shall become effective 30 days after
17 enactment. Enactment occurs when the Mayor signs the ordinance, the Mayor returns the
18 ordinance unsigned or does not sign the ordinance within ten days of receiving it, or the Board
19 of Supervisors overrides the Mayor's veto of the ordinance.

20
21 Section 56. Scope of Ordinance. In enacting this ordinance, the Board of Supervisors
22 intends to amend only those words, phrases, paragraphs, subsections, sections, articles,
23 numbers, punctuation marks, charts, diagrams, or any other constituent parts of the Municipal
24 Code that are explicitly shown in this ordinance as additions, deletions, Board amendment
25

1 additions, and Board amendment deletions in accordance with the "Note" that appears under
2 the official title of the ordinance.

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APPROVED AS TO FORM:
DENNIS J. HERRERA, City Attorney

By: 
John Roddy
Deputy City Attorney

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LEGISLATIVE DIGEST
(6/8/15 - Amended in Committee)

[Health, Public Works Codes - Mandatory Use of Alternate Water Supplies In New Construction]

Ordinance amending Health Code, Article 12C, to require that new buildings of 250,000 square feet or more of gross floor area be constructed, operated, and maintained using available alternate water sources for toilet and urinal flushing and irrigation; that new buildings of 40,000 square feet or more of gross floor area prepare water budget calculations; and that subdivision approval requirements include compliance with Article 12C; amending the Public Works Code to provide that pipelines and other facilities constructed in accordance with Article 12C and located in public rights-of-way are subject to approval as minor encroachments and exempt from payment of public right-of-way occupancy assessment fees; and affirming the Planning Department's determination under the California Environmental Quality Act.

Existing Law

Under section 4.110 of the Charter, the Health Commission and the Department of Public Health ("Department") are generally authorized to provide for the preservation, promotion and protection of the physical and mental health of the inhabitants of the City and County. The Charter also provides that the Commission and the Department may also determine the nature and character of public nuisances and provide for their abatement.

Article 12C to the San Francisco Health Code contains laws that implement the Health Commission and the Department's authority to provide for the preservation, promotion and protection of the physical and mental health of the inhabitants of the City and County. The Article requires that persons desiring to implement alternative source water systems obtain permission to construct and operate such systems, in accordance with rules and regulations established by the Department that define appropriate water quality standards, monitoring criteria and other requirements for such systems. The Article also directs the Department of Building Inspection to review plans and to issue plumbing permits for on-site alternative source water systems.

Article 12C applies to and authorizes the installation and operation of the alternate water source systems at sites containing multi-family and non-residential buildings. The requirements do not apply to systems at small residential occupancies, graywater systems where graywater is collected solely for subsurface irrigation and does not require disinfection, as determined by the Director, and rainwater systems where rainwater is collected solely for subsurface irrigation, drip irrigation, or non-sprinkled surface applications and does not require disinfection, as determined by the Director.

Article 12C requires a project applicant to submit an engineering report to the Department that describes the design of the proposed alternative source water system and clearly indicates the means for compliance with the Department's rules and regulations. The Department will review the engineering report and issue a permit to operate the system, if the system complies with the applicable rules and regulations.

Under Article 12C, the Department of Building Inspection will provide final inspection and sign-off to ensure that appropriate bypass and cross-connection control elements as part of construction. The Article also provides authority to perform water use audits, approve permit transfers on point of sale of the property, suspend or revoke permits, and to abate violations, including the imposition of penalties pursuant to Administrative Code chapter 100.

Article 12C also provides for the payment of fees to cover the Department's costs for administering the program, and, by adding section 249.24 to the Business and Taxation Code, for the payment of an annual license fee to the Tax Collector.

Amendments to Current Law

The proposed amendments to Article 12C require that new buildings of 250,000 square feet or more of floor area

a) located within the boundaries of the Reclaimed Water Use Map designated in accordance with Sections 1203 and 1209 of the Public Works Code and subject to a site permit or building permit that is final and effective after November 1, 2015; and

b) located outside the boundaries of the Reclaimed Water Use Map designated in accordance with Sections 1203 and 1209 of the Public Works Code and subject to a site permit or building permit that is final and effective after November 1, 2016;

be constructed, operated, and maintained using available sources of rainwater, graywater, blackwater and foundation drainage for toilet and urinal flushing and irrigation.

The amounts and types of water sources available for such new buildings will be assessed by using the San Francisco Public Utilities Commission's (SFPUC) Water Budget Calculator. If the Water Budget Calculator assessment shows that the available supply from onsite sources exceeds the demands for toilet and urinal flushing and irrigation, 100% of those demands must be met by using the available onsite sources. If the Water Budget Calculator assessment shows that the available supply from onsite sources is less than the demands for toilet and urinal flushing and irrigation, 100% of the available onsite supply must be used to meet the demands for toilet and urinal flushing and irrigation.

Projects for new buildings consisting of 40,000 square feet or more of floor area and located outside the boundaries of the Reclaimed Water Use Map, are not required to install and

operate alternative water systems, but must use the Water Budget Calculator to prepare a water budget assessing the amount of rainwater, graywater, and foundation drainage produced on site, and the planned toilet and urinal flushing and irrigation demands.

The proposed ordinance also establishes the policy of the City that within five (5) years of the effective date of this ordinance, the City shall only use non-potable water for the purpose of irrigating and cleaning parks and other public spaces. Within two years of the effective date of this ordinance, the Recreation & Park Department, Department of Public Works, Port of San Francisco, San Francisco Airport, City Administrator, Department of Real Estate, and Capital Planning Committee shall study what will be required to accomplish this policy, including associated costs and report the results of the study to the Mayor and Board of Supervisors square feet or more of floor area.

The proposed amendments modify Public Works Code Section 723.2 to provide that pipelines or other portions of an alternate water source system constructed within the public right-of-way for the purposes set forth in Article 12C are minor encroachments subject to the approval requirements of Section 723.2. The proposed amendments further provide that no public right-of-way occupancy assessment fee shall be charged for such pipelines or other portions of an alternate water source system constructed within the public right-of-way.

The proposed ordinance also urges the Public Utilities Commission to review water and wastewater utility fees and to consider adjustments to those fees that acknowledge the reduced impact of buildings with Alternate Water Source systems.

Background Information

The Department, SFPUC, and the Department of Building Inspection have jointly developed the City's Non-Potable Water Program. The purpose of this program is to create a streamlined process for new large developments in San Francisco to collect, treat, and use non-potable water on-site for toilet flushing, irrigation and other non-potable applications. Non-potable is a term that refers to water that is not of drinking water quality, but can be used for other productive uses such as toilet flushing and irrigation, in compliance with applicable City, State and Federal laws. Currently, the City has no integrated process for reviewing, approving and monitoring such projects.

According to the SFPUC, non-potable water is used across the nation to reduce the pressure on natural water resources. Treated non-potable water can be used for a number of beneficial purposes including irrigation, toilet flushing, decorative fountains, dust control and cooling applications. Capturing and treating rainwater, foundation drainage, and graywater—and then reusing the water for toilet flushing and irrigation—would result in a dramatic reduction in the overall water footprint of a building. Furthermore, using on-site sources may

reduce the volume of flows into the sewer. Reducing the volume of stormwater, especially during the rainy season, can prevent combined sewer discharges.

Under this program, several types of alternate water sources generated on-site can be collected and treated, including:

Rainwater – precipitation collected from roof surfaces.

Graywater – wastewater from bathtubs, showers, bathroom, clothes washing machines, and laundry tubs, but does not include wastewater from kitchen sinks, toilets or dishwashers.

Foundation Drainage – nuisance groundwater that is dewatered to maintain a building's structural integrity and would otherwise be discharged to the City's sewer system. Foundation drainage is not the same as non-potable groundwater, which requires a production well and is already regulated by City ordinance.

Stormwater – precipitation that has contacted a surface at grade or below grade and has not been put to beneficial use.

Black water - wastewater from toilets, dishwashers, kitchen sinks and utility sinks.

Non-potable water cannot be used for drinking, washing or bathing, washing of clothing, washing of food, washing of cooking or eating utensils, washing of food preparation or processing premises, or other personal service rooms. Rainwater, however, is often allowed for clothes washing and recycled water is allowed for commercial laundries. The City's Non-Potable Water Program is designed for new, large scale commercial, mixed-use, and multi-family residential developments installing on-site systems to capture, treat, and reuse water for toilet flushing, irrigation and other non-potable applications. Single-family residential properties are the focus of already existing SFPUC programs, namely the Laundry-to-Landscape Pilot Graywater Program, the Graywater Permit Rebate Program, and the Discounted Rain Barrel and Cistern Program, and are therefore not included in this Non-potable Water Program.

Typical elements of an alternative water source system may include:

- o Collection: Plumbing used to collect on-site supplies, such as graywater, and convey it to a treatment system.
- o Storage (Collection): Storage tank used to equalize collection flows prior to treatment.
- o Treatment System: A system that process untreated water with filtration, disinfection, and/or other processes to achieve acceptable water quality results.

o Treated water storage: Storage tank used to store treated graywater, rainwater, or foundation drainage water after treatment and before distribution.

o Distribution system (pumps and piping): Distribution pumps convey water from the treated storage tank to designated fixtures in the building via nonpotable distribution plumbing. Distribution system piping is completely separate from other piping in a building and is used to convey the treated nonpotable supplies to specific uses such as toilet flushing.

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BOARD of SUPERVISORS



City Hall
Dr. Carlton B. Goodlett Place, Room 244
San Francisco 94102-4689
Tel. No. 554-5184
Fax No. 554-5163
TDD/TTY No. 554-5227

MEMORANDUM

TO: Naomi Kelly, City Administrator
Harlan Kelly, General Manager, Public Utilities Commission
Tom Hui, Director, Department of Building Inspection
Barbara Garcia, Director, Department of Public Health
Phil Ginsburg, Department of Recreation and Park
John Martin, Director, Airport
Monique Moyer, Executive Director, Port
John Updike, Director, Real Estate

FROM: Andrea Ausberry, Assistant Clerk, Land Use and Transportation Committee,
Board of Supervisors

DATE: June 4, 2015

SUBJECT: SUBSTITUTE LEGISLATION INTRODUCED

The Board of Supervisors' Land Use and Transportation Committee has received the following legislation, introduced by Supervisor Wiener on May 19, 2015:

File No. 150350

Ordinance amending Health Code, Article 12C, to require that new buildings of 250,000 square feet or more of gross floor area be constructed, operated, and maintained using available alternate water sources for toilet and urinal flushing and irrigation; that new buildings of 40,000 square feet or more of gross floor area prepare water budget calculations; and that subdivision approval requirements include compliance with Article 12C; amending the Public Works Code to provide that pipelines and other facilities constructed in accordance with Article 12C and located in public rights-of-way are subject to approval as minor encroachments and exempt from payment of public right-of-way occupancy assessment fees; and affirming the Planning Department's determination under the California Environmental Quality Act.

If you have any additional comments or reports to be included with the file, please forward them to me at the Board of Supervisors, City Hall, Room 244, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102.

c: Juliet Ellis, Asst. General Manager/External Affairs
Donna Hood, Commission Secretary
William Strawn, Department of Building Inspection
Carolyn Jayin, Department of Building Inspection
Collen Chawla, Department of Public Health

Sarah Ballard, Recreation and Park
Cathy Widener, Airport
Elaine Forbes, Port
Amy Quesada, Port

BOARD of SUPERVISORS



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TDD/TTY No. 554-5227

June 4, 2015

File No. 150350

Sarah Jones
Environmental Review Officer
Planning Department
1650 Mission Street, 4th Floor
San Francisco, CA 94103

Dear Ms. Jones:

On May 19, 2015, Supervisor Wiener introduced the following substitute legislation:

File No. 150350

Ordinance amending Health Code, Article 12C, to require that new buildings of 250,000 square feet or more of gross floor area be constructed, operated, and maintained using available alternate water sources for toilet and urinal flushing and irrigation; that new buildings of 40,000 square feet or more of gross floor area prepare water budget calculations; and that subdivision approval requirements include compliance with Article 12C; amending the Public Works Code to provide that pipelines and other facilities constructed in accordance with Article 12C and located in public rights-of-way are subject to approval as minor encroachments and exempt from payment of public right-of-way occupancy assessment fees; and affirming the Planning Department's determination under the California Environmental Quality Act.

This legislation is being transmitted to you for environmental review.

Angela Calvillo, Clerk of the Board

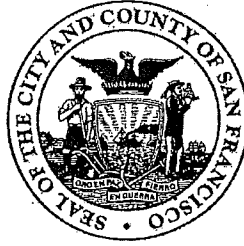
A handwritten signature in cursive script, appearing to read "A. Ausberry".

By: Andrea Ausberry, Assistant Clerk

Attachment

cc: Joy Navarrete, Environmental Planning
Jeanie Poling, Environmental Planning

BOARD of SUPERVISORS



City Hall
1 Dr. Carlton B. Goodlett Place, Room 244
San Francisco 94102-4689
Tel. No. 554-5184
Fax No. 554-5163
TDD/TTY No. 554-5227

April 15, 2015

File No. 150350

Sarah Jones
Environmental Review Officer
Planning Department
1650 Mission Street, 4th Floor
San Francisco, CA 94103

Dear Ms. Jones:

On April 7, 2015, Supervisor Wiener introduced the following legislation:

File No. 150350

Ordinance amending the Health Code, Article 12C, to require that new buildings of 250,000 square feet or more of floor area be constructed, operated, and maintained using available alternate water sources for toilet and urinal flushing and irrigation; that new buildings of 40,000 square feet or more of floor area prepare water budget calculations; and that subdivision approval requirements include compliance with the Health Code, Article 12C; and affirming the Planning Department's determination under the California Environmental Quality Act.

This legislation is being transmitted to you for environmental review.

Angela Calvillo, Clerk of the Board

A handwritten signature in cursive script, appearing to read "A. Ausberry".

By: Andrea Ausberry, Assistant Clerk

Not defined as a project under CEQA Guidelines Sections 15378 and 15060(c)(2) because it does not result in a physical change in the environment.

Attachment

cc: Joy Navarrete, Environmental Planning
Jeanie Poling, Environmental Planning

Joy
Navarrete

Digitally signed by Joy Navarrete
DN: cn=Joy Navarrete, o=Planning,
ou=Environmental Planning,
email=joy.navarrete@sfgov.org,
c=US
Date: 2015.04.27 16:09:56 -07'00'

1502

Introduction Form

By a Member of the Board of Supervisors or the Mayor

RCD IN
BOARD
5-19

Time stamp
of meeting date

jc

I hereby submit the following item for introduction (select only one):

- 1. For reference to Committee. (An Ordinance, Resolution, Motion, or Charter Amendment)
- 2. Request for next printed agenda Without Reference to Committee.
- 3. Request for hearing on a subject matter at Committee.
- 4. Request for letter beginning "Supervisor [] inquires"
- 5. City Attorney request.
- 6. Call File No. [] from Committee.
- 7. Budget Analyst request (attach written motion).
- 8. Substitute Legislation File No. [150350]
- 9. Reactivate File No. []
- 10. Question(s) submitted for Mayoral Appearance before the BOS on []

Please check the appropriate boxes. The proposed legislation should be forwarded to the following:

- Small Business Commission Youth Commission Ethics Commission
- Planning Commission Building Inspection Commission

Note: For the Imperative Agenda (a resolution not on the printed agenda), use a Imperative Form.

Sponsor(s):

Supervisors Wiener; Breed, Avalos, Christensen

Subject:

Health, Public Works Codes - Mandatory Use of Alternate Water Supplies In New Construction

The text is listed below or attached:

Ordinance amending Article 12C of the Health Code to require that new buildings of 250,000 square feet or more of gross floor area be constructed, operated, and maintained using available alternate water sources for toilet and urinal flushing and irrigation; that new buildings of 40,000 square feet or more of gross floor area prepare water budget calculations; and that subdivision approval requirements include compliance with Article 12C; amending the Public Works Code to provide that pipelines and other facilities constructed in accordance with Article 12C and located in public rights-of-way are subject to approval as minor encroachments and exempt from payment of public right-of-occupancy assessment fees; and affirming the Planning Department's determination under the California Environmental Quality Act.

