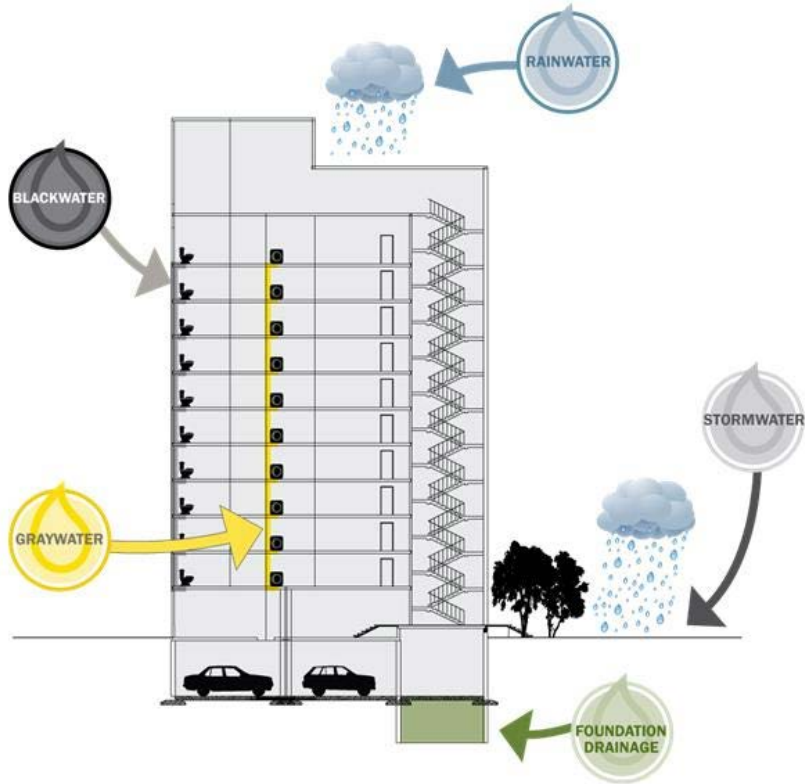


Non-potable Water Ordinance Updates

Board of Supervisors Public Safety and Neighborhood Services Committee

John Scarpulla
September 9, 2021

Non-potable Water Ordinance



- Applies to new buildings and development projects 250,000 gross square feet or greater
- Required to treat and reuse graywater, rainwater, and foundation drainage to meet toilet flushing and irrigation demands onsite
- Applicable city-wide



Non-potable Ordinance Requires City Family Coordination

SFPUC	SFDPH-EH	SFDBI	SFPW
Program Administration and Cross-Connection Control	Environmental Health	Construction	Right of Way and Mapping
<p>Review onsite non-potable water supplies & demands</p> <p>Administer citywide project tracking & annual potable offset achieved</p> <p>Provide technical support & outreach to developers</p> <p>Manages Cross-Connection Control Program</p>	<p>Issue water quality & monitoring requirements</p> <p>Review and approve non-potable engineering report</p> <p>Issue permit to operate onsite systems</p> <p>Review water quality reporting</p>	<p>Conduct Plumbing Plan check and issue Plumbing Permit</p> <p>Inspect and approve system installations</p>	<p>Issue Encroachment Permits as needed for infrastructure in the Right-of-Way (if needed)</p> <p>Includes condition on a subdivision map or a parcel map requiring compliance with the Non-potable Ordinance prior to approval and issuance of said map (if applicable)</p>

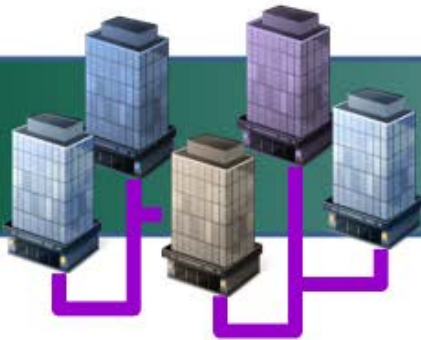
San Francisco's Evolving Onsite Water Reuse Program

2012



*Single
Building*

2013



*District-
Scale*

2015

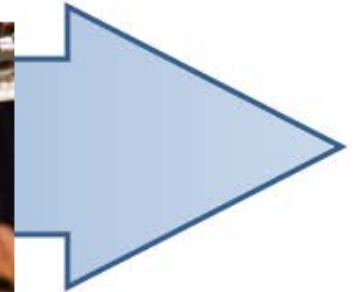


*Mandatory for \geq
250,000 gsf*

2019



*Innovations: Brewery
Process Water Reuse*



Examples of Mandatory NPO Projects



Mission Rock



Fifteen Fifty Mission



Chase Center

Proposed NPO Amendments



- Opportunity to further increase potable water offsets from new buildings and development projects
- Analysis of NPO program resulting in streamlined ordinance requirements
- Increased opportunities for cost-effective systems

Proposed NPO Amendments



- Lower square footage threshold to any building(s) over 100,000 gross square feet
- Buildings that are 100% commercial to reuse all wastewater, not just graywater, onsite
- Multi-family residential and mixed-use residential buildings to meet clothes washing demands in addition to toilet flushing and irrigation demand

Additional Proposed NPO Amendments

- Exempt:
 - 100% affordable housing and homeless supportive housing
 - Hospital, health service, and institutional health care facilities
 - Facilities zoned for Production, Distribution, Repair (PDR) and industrial use
- Require A/C condensate to be reused
- Require projects to reuse water onsite for drain trap priming
- Collection and reuse of rainwater will be allowed not required
- Modify SFDPH penalty structure to improve enforcement and increase SFDPH application fee to cover oversight

Proposed NPO Amendments



- Opportunity to further increase potable water offsets from new buildings and development projects
- By 2040, mandatory NPO projects can achieve water savings equivalent to 26,200 SF residents daily water use
- Amendments can achieve additional water savings equivalent to 5,500 SF residents daily water use

Thank you