

From: [Aron Tartakovsky](#)
To: [Carroll, John \(BOS\)](#)
Subject: Support Re: File 210536, Onsite Water Reuse
Date: Thursday, September 9, 2021 12:28:42 PM
Attachments: [ect_961e5543-47a0-4f4b-9d9c-97a03d2a7da7.png](#)
[Public Safety and Neighborhood Services Committee.pdf.pdf](#)

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Dear Mr. Carroll,

Please find attached my public comment letter regarding File number 210536 for the Thursday Sep. 9 Public Safety and Neighborhood Services Committee meeting.

Thank you,
Aaron

Aaron Tartakovsky



449 10th Street | San Francisco, CA 94103
[415.244.1399](tel:415.244.1399) | aaron@epiccleantec.com
epiccleantec.com



Public Safety and Neighborhood Services Committee
San Francisco Board of Supervisors
1 Dr. Carlton B. Goodlett Place
City Hall, Room 244
San Francisco, CA 94102

September 8, 2021

Dear Supervisors,

My name is Aaron Tartakovsky, a lifelong resident of San Francisco and the co-founder and CEO of Epic Cleantec, a sustainability company helping to deploy onsite water reuse firms into the built environment.

I am writing to express strong support for the proposed update to San Francisco's onsite water reuse program (Alternate Water Sources for Non-Potable Applications; File Number: 210536).

With the combined challenges of aging water and wastewater infrastructure, growing urban populations, and an increasingly unpredictable climate, we simply need to do things differently when it comes to how we manage our water resources.

A key tactic in helping to build resilience in the midst of prolonged periods of water scarcity is diversifying the water supply portfolio, which is to say, ensuring that we have multiple sources upon which to draw water for our non-potable uses. By reusing water onsite for non-potable applications such as toilet and urinal flushing, irrigation, cooling towers, and laundry, a building can reuse up to 95% of its water – that is up to 95% less water that these buildings will need to draw from the city's pristine potable water supply for their non-potable needs.

In the 21st century, with all of the technological capabilities at our disposal, we should not have to rely on whether or not it rains to ensure we have enough water supply for our communities. This ordinance is a very positive step in the right direction that will serve as a model for cities in California, across the United States, and throughout the world.

Sincerely,
Aaron Tartakovsky

A handwritten signature in black ink, appearing to read "Aaron Tartakovsky", written in a cursive style.

Epic Cleantec
449 10th Street, San Francisco, CA 94103

From: [Alice Jolimaitre](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Mar. Gordon \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#); [Safai, Ahsha \(BOS\)](#)
Subject: Support Re: File 210536, Water reuse and recycling ordinance
Date: Wednesday, September 8, 2021 7:49:16 PM

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Dear Public Safety and Neighborhood Services Committee,

As a resident of San Francisco in District 11 and a member of the SF Climate Emergency Coalition, I support water reuse and recycling both as

- **a necessary climate change adaptation** and
- the starting point of a **just transition** for fossil fuel workers.

Climate change makes drought in California ever more likely and severe, and up to this point we San Franciscans have been using our precious Hetch Hetchy water source unsustainably. We need to take seriously the need to reuse, and use less.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water-recycling pipe.

Sincerely,

Alice Jolimaitre

From: [Laura Feinstein](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Bintliff, Jacob \(BOS\)](#)
Subject: Public Comment for 9/9 PS Committee, File No 10536
Date: Wednesday, September 8, 2021 6:16:03 PM
Attachments: [SPUR letter recycled water 210536_090821.pdf](#)

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Mr. Carroll,

Please find attached SPUR's public comment letter regarding File number 10536 for the Thursday Sep. 9 Public Safety and Neighborhood Services Committee meeting.

Best regards,

Laura Feinstein

—
Laura Feinstein, PhD (she • her • they)
Sustainability and Resilience Policy Director
530.204.8325 (cell)
1.510.827.1286 (google voice)
lfeinstein@spur.org



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9/8/2021

Public Safety and Neighborhood Services Committee
San Francisco Board of Supervisors
1 Dr. Carlton B. Goodlett Place
City Hall, Room 244
San Francisco, CA 94102

Dear Supervisors,

On behalf of SPUR, I am writing to express wholehearted support for the proposed ordinance to expand San Francisco reliance on alternate water sources for non-potable applications (File Number: 210536).

Climate change models project that periods of severe drought in Northern California will dramatically worsen before the end of the century.¹ Northern California experienced the worst drought in a millennium from 2012-16, and the current drought is on track to be more severe than the last. With climate change, San Francisco cannot afford to delay investing in alternative water supplies.

The proposed ordinance lowers the minimum square footage for new buildings required to construct onsite water reuse systems. Recycled water would be used for non-drinking purposes such as toilet flushing, urinal flushing, clothes washing, and outdoor irrigation.

Water reuse is a key strategy for the city to balance its need to address the housing shortage, continue to grow economically, and do so within the limits of its water supplies. And unlike the city's main source of water, the Hetch-Hetchy water system, recycled water isn't diverted from upstream rivers and streams that are already suffering from water shortages.

We applaud San Francisco's strong track record in advancing onsite non-potable water reuse and support the city's efforts to expand its reliance on alternative, drought-resilient water supplies.

Sincerely,



Laura Feinstein, Ph.D.
Sustainability and Resilience Policy Director

¹ Ackerly, David, Andrew Jones, and Bruce Riordan. *California's Fourth Climate Change Assessment: San Francisco Bay Area Region Report*. Accessed March 5, 2021. <https://barc.ca.gov/sites/default/files/documents/2020-12/20190116-sanfranciscobayarea.pdf>.

From: [JB Tengco](#)
To: [Carroll, John \(BOS\)](#)
Subject: Support: Alternate Water Sources for Non-Potable Applications
Date: Wednesday, September 8, 2021 6:07:10 PM

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On behalf of the BlueGreen Alliance – a national organization of labor and environmental partners – and as a San Francisco resident, I write to support Ordinance# 210536 - Alternate Water Sources for Non-Potable Applications. With climate change and the water crisis, BGA believe this ordinance is an important step to addressing both crises and serves as a model for the state and country. We believe this ordinance is good for the environment, good for the community and good for workers; we respectfully ask you to approve this essential water conservation ordinance.

Yours truly,

Jose “JB” Tengco
Vice President, State Affairs | BlueGreen Alliance

From: [Lorrie J. LeLe](#)
To: [Carroll, John \(BOS\)](#); [Carlin, Michael \(PUC\)](#)
Cc: [Bintliff, Jacob \(BOS\)](#); dfahy@ualocal38.org; [Aaron Stockwell \(aaron@calpipes.org\)](mailto:Aaron.Stockwell@calpipes.org); [Larry Mazzola - UA Plumbers & Pipefitters, Local 38 \(lmazzolajr@ualocal38.org\)](#); [Thomas A. Enslow](#)
Subject: Agenda Item 5, September 9, 2021, Public Safety & Neighborhood Services Committee (File # 210536); Proposal for Expansion of Requirements for Alternate Water Sources for Non-Potable Applications (4846)
Date: Wednesday, September 8, 2021 3:50:02 PM
Attachments: [4846-002j - Local 38 support letter for Agenda Item 5 PSNS comm - Water reuse ordinance \(9-8-21\).pdf](#)

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Please find attached correspondence regarding the above referenced subject matter.

Thank you,

Lorrie LeLe

Legal Assistant

Adams Broadwell Joseph & Cardozo

520 Capitol Mall, Suite 350

Sacramento, CA 95814

ljele@adamsbroadwell.com | Phone: 916.444.6201 Ext. 10 | Fax: 916.444.6209 |

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TANYA A. GULESSERIAN
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DARIEN K. KEY
RACHAEL E. KOSS
AIDAN P. MARSHALL
TARA C. MESSING

Of Counsel

MARC D. JOSEPH
DANIEL L. CARDOZO

**Not admitted in California.
Licensed in Colorado.*

September 8, 2021

Sent Via Email and Overnight Mail

Public Safety and Neighborhood Services Committee Members
c/o John Carroll, Assistant Clerk
San Francisco Board of Supervisors
City Hall, 1 Dr. Carlton B. Goodlett Place
San Francisco, CA 94102
john.carroll@sfgov.org

Michael Carlin
Acting General Manager
San Francisco Public Utilities Commission
525 Golden Gate Avenue
San Francisco, CA 94102
MCarlin@sfwater.org

**Subject: Agenda Item 5, September 9, 2021, Public Safety and
Neighborhood Services Committee (File # 210536); Proposal for
Expansion of Requirements for Alternate Water Sources
for Non-Potable Applications**

Dear Mr. Carlin and Mr. Bintliff,

I am writing on behalf of the California State Pipe Trades Council and Plumbers and Pipefitters UA Local 38 in strong support of adoption of proposed Ordinance 210536 - Alternate Water Sources for Non-Potable Applications. Among other actions, the proposed ordinance amends the City Health Code to (1) lower the threshold from 250,000 to 100,000 square feet of gross floor area for requiring that new buildings be constructed, operated, and maintained using specified alternate water sources for required non-potable uses; (2) exempt certain affordable housing

4846-002j

projects and property uses from that requirement; (3) require that certain categories of new buildings use specific sources of non-potable water for specific purposes; and (4) requires completion of reports on purified water, recycled water, and Non-potable District Systems.

This proposal before you was developed pursuant to Section 909, subdivision (c) of Ordinance 200701 (All-Electric Building Standard), which requires: “Concurrent with implementation of the All-Electric building requirement, the San Francisco Public Utilities Commission will evaluate opportunities for the expansion of non-potable onsite water treatment systems, graywater heat recovery systems, and solar thermal water heating, and shall present findings and recommendations to the Board of Supervisors by no later than March 1, 2021.”

The California State Pipe Trades Council and UA Local 38 would like to thank Supervisor Mandelman for his leadership in moving this ordinance forward, along with the co-sponsors, Supervisors Mar, Malgar and Ronen. We would also like to thank the leadership and staff at the SFPUC and the San Francisco Department of Environment. In particular, Michael Carlin, Paula Kehoe, John Scarpulla, Barry Hooper and Cyndy Comerford have been invaluable in identifying a pathway to expand the City’s water re-use requirements in a reasonable and feasible way.

We look forward to continued collaboration with the City particularly as it seeks to identify and implement recommendations from the reports required under this ordinance related to expansion of the City’s recycled water treatment facilities and purple water district maps, renewable gas pilot projects and opportunities to implement more efficient water pre-heating technologies such as thermal solar systems, geothermal hot water systems, and gray/wastewater pre-heating systems.

In addition, we would like to thank Sierra Club, NRDC and Blue Green Alliance for their longstanding work on water conservation issues and their recognition of the natural relationship between building decarbonization efforts and building water efficiency efforts. We would also like to thank them for their commitment to recognizing the need to identify a just transition path where greenhouse gas reduction policies inequitably impact certain classes of workers.

Currently 100% of California is experiencing drought conditions, with 96% of the state in severe drought conditions and 88% in extreme drought conditions.¹ California Reservoirs, such as Lake Oroville are at historic low levels. Reservoirs fed by the Colorado River have also fallen to historically low levels.² Droughts of this severity are expected to increase in frequency as a result of climate change.

The California Department of Water Resources recently released a report finding that “Climate change is expected to affect California’s water supply conditions over the long term, with a significant impact being reduction in mountain snowpack.”³ The Governor’s Office of Planning and Research, the California Energy Commission, and the California Natural Resources Agency released their Fourth Climate Change Assessment in 2018, which concluded that “[b]y 2050, the average water supply from snowpack is projected to decline to 2/3 from historical levels. If emissions reductions do not occur, water from snowpack could fall to less than 1/3 of historical levels by 2100.”⁴ The Public Policy Institute of California, a non-profit non-partisan think tank noted “California’s climate is warming and becoming more variable. **Rising temperatures are making droughts more intense, and dry years are occurring more frequently.**”⁵

Water reuse is one of the most efficient and cost-effective ways to improve drought resilience in California. Currently, most buildings use potable water to supply the non-potable water demands from toilet and urinal flushing, floor trap priming, cooling towers, and air-conditioning devices. Dual plumbing of buildings allows those non-potable water demands to be met by non-potable water sources such as recycled water or onsite-treated graywater, rainwater and foundation drainage. Onsite treatment and reuse of available onsite rainwater, graywater and foundation drainage in buildings provides a proven avenue for reducing the use of potable water in non-potable water building applications where recycled water is not available for such uses. Water reuse also reduces long term operational costs for a building, particularly as potable water costs rise with supplies not meeting demand. This reduction in annual utility costs particularly benefits owners and tenants of multi-family affordable housing units.

¹ <https://www.drought.gov/states/california>.

² <https://www.dailymail.co.uk/news/article-9962047/California-droughts-reduce-Lake-Oroville-levels-historic-low-24-cent-capacity.html>.

³ [DWR: Drought in California 2021 at p. 10.](#)

⁴ California’s Fourth Climate Change Assessment, summary brochure pg.5, https://www.energy.ca.gov/sites/default/files/2019-11/20180827_Summary_Brochure_ADA.pdf

⁵ [Public Policy Institute, Water and a Changing Climate at p. 1-2.](#)

The City's current mandates to re-use graywater and wastewater in order to reduce water demand are no longer sufficient. The SFPUC has estimated that the proposed changes in this ordinance could double the amount of water savings in residential and mixed-use buildings to 30% of total indoor potable water demand and offset up to 75% of total indoor potable water demand in commercial buildings, up from the 15% conserved under current requirements. These additional savings would offset the water use of roughly 5,500 San Francisco residents per day.

This ordinance not only expands those water reuse requirements it also provides the dual benefit of ensuring that plumbers who may lose jobs due to building electrification mandates are provided a just transition. This ordinance fulfills the promise of a new green economy by replacing lost jobs installing gas piping with new plumbing jobs making buildings drought resistant. Adopting water-reuse requirements concurrently with building electrification requirements reduces impacts on workers at minimal additional cost to builders. Where gas piping is eliminated, dual piping for non-potable water uses will be installed in its place.

This ordinance is a major step forward for San Francisco in creating buildings for the 21st century that are less greenhouse gas intensive, are drought-resistant, and continue to provide good jobs for plumbers and other construction workers in San Francisco. The California State Pipe Trades Council and UA Local 38 respectfully urges adoption of this ordinance.

Sincerely,

A handwritten signature in blue ink that reads "Thomas A. Enslow". The signature is fluid and cursive, with a long horizontal stroke at the end.

Thomas A. Enslow

TAE:ljl

cc: Jacob Bintliff, jacob.bintliff@sfgov.org

From: [Melissa Yu](#)
To: [Carroll, John \(BOS\)](#)
Subject: Sierra Club support the water reuse ordinance
Date: Wednesday, September 8, 2021 2:48:13 PM
Attachments: [Water Reuse Ordinance Support Letter.pdf](#)

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Hi John,

Please find attached the Sierra Club's letter.

Best,

Melissa

--

Melissa Yu
Conservation Program Coordinator
[Sierra Club, San Francisco Bay Chapter](#)
Office: (510) 848 - 0800
Cell: (415) 870 - 3142





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September 8, 2021

City Hall
1 Dr. Carlton B. Goodlett Place
San Francisco, CA 94102-4689

Attn: Clerk John Carroll (John.Carroll@sfgov.org)

Dear Public Safety and Neighborhood Services Committee,

The Sierra Club is excited to support the water reuse ordinance that would double the amount of water that large buildings are required to collect and reuse. California is entering yet another drought after two consecutive dry winters greatly diminished key water supplies, including the Sierra Nevada snowpack that measured only 60% of its average capacity as of April 1st. With California droughts intensifying due to the effects of climate change, we must take immediate action to ensure a sustainable water supply for years to come.

As our summers get hotter and dryer, this compounds the likelihood of wildfires amid California's worsening drought conditions. This ordinance is much needed as droughts not only endanger public health and safety but also cause long-term negative environmental and economic impacts. Public health and safety threats primarily include increased risk of catastrophic wildfires and drinking water shortages.

As Hunter Cutting of the Sierra Club SF Group states, "This is smart matchmaking between two critically important environmental priorities – water reuse and recycling and electrifying our buildings – that works to sustain well-paying union jobs, which itself is another critically important priority".

Proper management of water is essential so that present and future generations may survive and flourish. We appreciate the opportunity to comment on this.

Sincerely,

Becky Evans, Sierra Club San Francisco Group Chair

A handwritten signature in blue ink that reads "Becky Evans". The signature is written in a cursive, flowing style.

From: [Joni](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Mar. Gordon \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#); [Walton, Shamann \(BOS\)](#)
Subject: Support Re: File 210536, Alternate Water Sources for Non-Potable Applications
Date: Wednesday, September 8, 2021 2:09:31 PM

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Dear Public Safety and Neighborhood Services Committee,

As a resident of San Francisco's District 10 and a member of the SF Climate Emergency Coalition, I strongly support water reuse and recycling because these things are necessary - in fact long overdue - in adapting to climate change, and also because they signify the beginning of a just transition for fossil fuel workers, in this case the pipe fitters concerned about loss of work as gas lines become obsolete.

As droughts in California become more likely and devastating every year, we in San Francisco cannot continue to use our precious Hetch Hetchy water source unsustainably. We need to take seriously the need to use less water, and to reuse wherever possible.

I am pleased that this ordinance will allow the pipe fitters previously laying gas lines to transition to good jobs laying water-recycling pipe, without having to learn brand-new skills.

Please approve this ordinance. Thank you.

Sincerely,
Joni Eisen

From: [Helena Birecki](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#); [Mar, Gordon \(BOS\)](#); [Ronen, Hillary](#)
Subject: Support Re: File 210536, Water reuse and recycling ordinance
Date: Wednesday, September 8, 2021 2:06:33 PM

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Dear Public Safety and Neighborhood Services Committee,

As an 11-year San Francisco resident of D9 and a member of the SF Climate Emergency Coalition, I support water reuse and recycling both as

- **a necessary climate change adaptation** and
- the starting point of a **just transition** for fossil fuel workers.

Climate change makes drought in California ever more likely and severe, and up to this point we San Franciscans have been using our precious Hetch Hetchy water source unsustainably. It keeps us alive; we need to take seriously the responsibility to reuse, and use less. This ordinance furthers that goal.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water-recycling pipe.

I want to thank Supervisor Mar and my Supervisor, Hillary Ronen, for already cosponsoring this ordinance and I encourage the whole Committee to recommend this ordinance to the full Board.

Sincerely,
Helena Birecki
D9 resident

From: [Elena Engel](#)
To: [Carroll, John \(BOS\)](#)
Subject: Sept 9 Public Safety and Neighborhood Services Committee, Item 5
Date: Wednesday, September 8, 2021 1:25:17 PM

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This letter is in support of the Alternative Water Sources Ordinance.

It seems particularly timely to reduce the size of new buildings that must provide recycled water for non-drinking water uses. With the current mega-drought and with the future looking like more of the same, the time to reuse water is here.

That this ordinance will also provide more work for pipefitters is an added bonus.

I urge you all to vote for this ordinance,

Elena Engel
Dist 9 Constituent
350SF and SF-CEC

From: ss@ssteuer.com
To: [Carroll, John \(BOS\)](#)
Cc: [Mar. Gordon \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#); [Ronen, Hillary](#)
Subject: Support of File 210536, Water reuse & recycling ordinance
Date: Wednesday, September 8, 2021 1:17:45 PM

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Dear Public Safety and Neighborhood Services Committee,

As a resident of San Francisco in District 9 I support water reuse and recycling both as a

- **necessary climate change adaptation** and
- the starting point of a **Just Transition** for fossil fuel workers.

Climate change makes drought in California ever more likely and severe, and up to this point we San Franciscans have been using our precious Hetch Hetchy water source unsustainably. We need to take seriously the need to reuse, and use less.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water recycling pipe.

Sincerely,
Sharon Steuer
Bernal 94110

From: [Barbara Jue](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Marstaff \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Haneystaff \(BOS\)](#); ystaff@sfgov.org
Subject: Support Re: File 210536, Water reuse and recycling ordinance
Date: Wednesday, September 8, 2021 12:32:36 PM

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Dear Public Safety and Neighborhood Services Committee,

As a resident of San Francisco in District 6 and a member of the SF Climate Emergency Coalition, I'm really proud of the progress we've made to combat climate change. There are so many facets on the harm that climate change is exacting on our communities, one of which is our current drought. I support water reuse and recycling both as a

- **necessary climate change adaptation** and
- the starting point of a **Just Transition** for fossil fuel workers.

We all recognize that drought in California will be ever more likely and severe. Yet up to this point we San Franciscans have been using our precious Hetch Hetchy water source unsustainably. We need to take seriously the need to reuse water, and use less of it.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water recycling pipe. Skills like this can be re-purposed and we can be just as creative about other jobs in the same vein. We know we can generate win-win solutions like this one.

Sincerely,
Barbara Jue

From: [Derrick Johnson](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Stefani, Catherine \(BOS\)](#)
Subject: Support Re: File 210536, Water reuse and recycling ordinance
Date: Wednesday, September 8, 2021 12:16:45 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Public Safety and Neighborhood Services Committee,

As a resident of San Francisco in District 2 and a member of the SF Climate Emergency Coalition, I support water reuse and recycling both as a

- **necessary climate change adaptation** and
- the starting point of a **Just Transition** for fossil fuel workers.

Climate change makes drought in California ever more likely and severe, and up to this point we San Franciscans have been using our precious Hetch Hetchy water source unsustainably. We need to take seriously the need to reuse, and use less.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water recycling pipes.

Sincerely,
Derrick

From: [Judy Rosenfeld](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Haney, Matt \(BOS\)](#); [Mar, Gordon \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); hilary.ronan@sfgov.org
Subject: Support Re: File 210536, Water reuse and recycling ordinance
Date: Wednesday, September 8, 2021 11:20:59 AM

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Dear Public Safety and Neighborhood Services Committee,

I live in the Mission District and am a member of the SF Climate Emergency Coalition, I support water reuse and recycling both as a

- **necessary climate change adaptation** and
- the starting point of a **Just Transition** for fossil fuel workers.

I truly believe that we can manage the water available to us but it will take political will and some decrease of usage. We can do this. I thank you in advance for all of your efforts.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water recycling pipe.

Sincerely,
Judy Rosenfeld

From: [Katie Lundsgaard](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Mar. Gordon \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#); [Peskin, Aaron \(BOS\)](#)
Subject: Support Re: File 210536, Water reuse and recycling ordinance
Date: Wednesday, September 8, 2021 11:10:21 AM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Public Safety and Neighborhood Services Committee,

Every year we see the increasing impacts of climate change on our environment and on our city. It is becoming impossible to ignore as we experience more smoke from the wildfires exacerbated by the ongoing drought. We need to take action now to mitigate the damage that is already being caused by climate change, and that starts with water use.

As a resident of San Francisco in District 3, I support water reuse and recycling both as a

- necessary climate change adaptation and
- the starting point of a Just Transition for fossil fuel workers.

We do not have to compromise workers' jobs for this - pipefitters that have worked on gas lines can work on pipelines for water recycling.

I urge you to support the water reuse and recycling ordinance to protect our precious resources and ensure a safe future for San Franciscans.

Sincerely,
Katie Lundsgaard

From: [GRACE HUENEMANN](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Mar, Gordon \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#); [Shammon.Walton@sfgov.org](#)
Subject: Re: File 210536, Water reuse and recycling ordinance
Date: Wednesday, September 8, 2021 12:10:48 AM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Public Safety and Neighborhood Services Committee,

As a resident of San Francisco in District 10 concerned about climate change, I support water reuse and recycling both as a

- **necessary climate change adaptation** and
- the starting point of a **Just Transition** for fossil fuel workers.

However, I have some concerns about the ordinance as proposed. As I understand it, neither grey nor black water goes through a purification process. If this is correct, using black water for flushing could create unhealthy and unpleasant conditions. Toilet water is presently recommended as an emergency source of drinking water. It appears that this crucial resource for times of need would be lost under the proposed ordinance. It also seems likely that San Francisco bathrooms would become known for their unpleasant odors. With regard to grey water, I object to being required to use sink runoff and foundation water to wash clothes. Would you want food scraps and dirt in your wash machine? Perhaps grey water and black water are treated, or could be treated, in ways that would solve these issues, but as it stands, the ordinance seems to open the way for unsanitary conditions.

Climate change makes drought in California ever more likely and severe, and we need to be serious about reusing, and using less. It's important to be guard our precious Hetch Hetchy water source by using it sustainably.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water recycling pipe.

I would support an ordinance that accomplishes these purposes without creating the problems that I have cited above.

Sincerely,
Grace Huenemann

670 De Haro St. Apt. 3
San Francisco, CA 94107
415-647-2405

From: [Marvis Phillips](#)
To: [Carroll, John \(BOS\)](#)
Subject: File No. 210536-Alternative water sources for Non-potable Applications
Date: Tuesday, September 7, 2021 7:51:54 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Clerk of the Board,

Please forward to all Supervisor's, (my attempt was denied)!

Please encourage all the Supervisors to support File No. 210536-Alternative Water Sources for Non-Potable use our very limited amount of water resources we have access to, extremely wisely! Here is one way to re-.Use our Non-Potable water resources, to the best event possible!

Thank you!

Sincerely,
Marvis J. Phillips
Board Chair
District 6 Community Planners

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Marvis J. Phillips
Board Chair
District 6 Community Planners

From: [Marvis Phillips](#)
To: [Carroll, John \(BOS\)](#)
Cc: [ChanStaff \(BOS\)](#); [Haney, Matt \(BOS\)](#); [Mandelmanstaff@sfgov.org.](#); [Gorden.Mar@sfgov.org.](#); [Melgarstaff@sfgov.org.](#); [Arron.Peskin@sfgov.org.](#); [Dean.Preston@sfgov.org.](#); [Hillary.Ronan@sfgov.org.](#); [Ahsha.Safai@sfgov.org.](#); [Cathrine.Stefani@sfgov.org.](#); [Shamann.Walton@sfgov.org.](#)
Subject: File no. 210526-Alternative Water Source for Non-Potable Applications
Date: Tuesday, September 7, 2021 7:37:31 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Clerk of the Board and Supervisors,

I am encouraging you to support File No. 210526, the Alternative Water Source for Non-Potable Applications, so we can reduce our use of re-useable drinking water. As we are experiencing this drought season, we must find ways of using our extremely limited resources, very wisely.

Please read and examine closely, this proposal, then vote (hopefully) in favor of this proposal. Thank you!

Sincerely,
Marvis J. Phillips
Board Chair
District 6 Community Planners
Sent from my iPad

From: [Colette Crutcher](#)
To: [Carroll, John \(BOS\)](#)
Subject: Subject: Support Re: File 210536, Water reuse and recycling ordinance
Date: Tuesday, September 7, 2021 6:00:44 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Public Safety and Neighborhood Services Committee,

As a resident of San Francisco, I support water reuse and recycling both as a:

- **necessary climate change adaptation** and
- the starting point of a **Just Transition** for fossil fuel workers.

Climate change makes drought in California ever more likely and severe, and up to this point we San Franciscans have been using our precious Hetch Hetchy water source unsustainably. We need to take seriously the need to reuse, and use less.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water recycling pipe.

Although the language of the law does make it seem one result of passing it will be an increase in bureaucratic micro-managing of water usage and the creation of what might seem to be a redundant secondary water system for non-potable water, dealing with the climate emergency will entail government stepping into many areas previously unregulated as we all make hard choices to stop doing many things we've always taken for granted, and start doing things—like recycling waste water—that we've never done before.

Sincerely,
Mark Roller
Bernal Heights

From: [Jo Coffey](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Mar. Gordon \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#); [ahsha Safai](#)
Subject: Support Re: File 210536, Water Reuse and Recycling ordinance
Date: Tuesday, September 7, 2021 5:50:38 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Public Safety and Neighborhood Services Committee,

As a resident of San Francisco in District 11, and a supporter of the SF Climate Emergency Coalition, I support water reuse and recycling both as a

- **necessary climate change adaptation** and
- the starting point of a **Just Transition** for fossil fuel workers.

Climate change makes drought in California ever more likely and severe, and up to this point we San Franciscans have been using our precious Hetch Hetchy water source unsustainably. We need to take seriously the need to reuse, and use less.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water recycling pipe.

Josephine Coffey
248 Dublin Street
San Francisco

From: [Z](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Mar. Gordon \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#)
Subject: Support Re: File 210536, Water reuse and recycling ordinance
Date: Tuesday, September 7, 2021 5:19:07 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Public Safety and Neighborhood Services Committee,

As a resident of San Francisco in District 9, I support water reuse and recycling both as a

- **necessary climate change adaptation** and
- the starting point of a **Just Transition** for fossil fuel workers.

Climate change makes drought in California ever more likely and severe, and up to this point we San Franciscans have been using our precious Hetch Hetchy water source unsustainably. We need to take seriously the need to reuse, and use less.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water recycling pipe.

Sincerely,
Zoe Roller

Sent with [ProtonMail](#) Secure Email.

From: [Colette Crutcher](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Mar. Gordon \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#); hillary.ronen@sf.gov
Subject: Support Re: File 210536, Water reuse and recycling ordinance
Date: Tuesday, September 7, 2021 4:53:33 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Public Safety and Neighborhood Services Committee,

As a resident of Bernal Heights and a member of the SF Climate Emergency Coalition, I support water reuse and recycling both as a

- **necessary climate change adaptation** and
- the starting point of a **Just Transition** for fossil fuel workers.

Climate change makes drought in California ever more likely and severe, and up to this point we San Franciscans have been using our precious Hetch Hetchy water source unsustainably. We need to take seriously the need to reuse, and use less.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water recycling pipe.

Sincerely,
Colette Crutcher
316 Highland Ave
SF 94110

From: [Al Chase](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Mar. Gordon \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#); [Mandelman, Rafael \(BOS\)](#)
Subject: Water reuse and recycling ordinance. File 210536.
Date: Tuesday, September 7, 2021 4:12:18 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Public Safety and Neighborhood Services Committee,

I have been a resident of San Francisco's District 8 for 29 years.

I am writing to express strong support for the Water Reuse and Recycling Ordinance. Given the current severe drought and the likely future of unprecedented and continually worsening drought due to climate change, water recycling is an absolute must.

I'm not just saying words. I have conserved and reused water manually in my home for years. We average about 15 gallons of virgin water per person per day.

San Francisco must stop needlessly wasting our clean water supply -- as we do now -- and begin treating it as the necessary ingredient for life that it is, by conserving and recycling. Water is life!

As an added benefit, this ordinance will provide workers a transition from fossil fuel pipes to pipes for reused water.

Please give your fullest support to the Water Reuse and Recycling Ordinance!

Respectfully and with urgency,

-- Al Chase
30 Clover St, SF 94114

From: [Helen Liu](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Stefani, Catherine \(BOS\)](#); [ChanStaff \(BOS\)](#); [Mar, Gordon \(BOS\)](#); [Haney, Matt \(BOS\)](#)
Subject: Support Re: File 210536, Water reuse and recycling ordinance
Date: Tuesday, September 7, 2021 3:48:47 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Public Safety and Neighborhood Services Committee,

As a resident of San Francisco in District 1 and a member of the SF Climate Emergency Coalition, I support water reuse and recycling both as a **necessary climate change adaptation** and the starting point of a **Just Transition** for fossil fuel workers.

Climate change makes drought in California ever more likely and severe, and up to this point we San Franciscans have been using our precious Hetch Hetchy water source unsustainably. We need to take seriously the need to reuse, and use less.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water recycling pipe.

Sincerely,
Helen Liu
94118

From: [John Anderson](#)
To: [Carroll, John \(BOS\)](#); [Stefani, Catherine \(BOS\)](#)
Cc: [Mar. Gordon \(BOS\)](#); [Haney, Matt \(BOS\)](#)
Subject: Support ordinance for recycling water
Date: Tuesday, September 7, 2021 3:32:20 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

As a District 2 member and San Francisco homeowner, I'm asking you to support the proposed ordinance for Alternate Water Sources for Non-Potable Use. Water use and recycling is an important climate change adaptation which will become more and more necessary as warmer temperatures worsen our droughts. In addition, we as a city have a duty to conserve our water as much as possible to mitigate the damage to the increasingly stressed Tuolumne river system.

The ordinance is written to place little burden on San Franciscans and is critical to securing our water supply and our credibility as a city. I hope it will have your enthusiastic support.

Thank you,
John Anderson

From: [Todd](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Mar. Gordon \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#)
Subject: Support Re: File 210536, Water reuse and recycling ordinance
Date: Tuesday, September 7, 2021 2:24:26 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Public Safety and Neighborhood Services Committee,

As a resident of San Francisco in District 5 and a member of the SF Climate Emergency Coalition, I support water reuse and recycling both as a

- **necessary climate change adaptation** and
- the starting point of a **Just Transition** for fossil fuel workers.

Climate change makes drought in California ever more likely and severe, and up to this point we San Franciscans have been using our precious Hetch Hetchy water source unsustainably. We need to take seriously the need to reuse, and use less.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water recycling pipe.

Thank you,
Todd Snyder

From: [Dave Rhody](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Mar, Gordon \(BOS\)](#)
Subject: Water Re-Use & Recycling Ordinance
Date: Tuesday, September 7, 2021 1:49:59 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

I fully support the new 'Water Re-Use & Recycling Ordinance' sponsored by Supervisors Mandelman, Mar and Melgar. The drought we're experiencing now will continue. With the impact of climate change the SF Bay Area and California in general will not return anytime soon to the days of plenty of fresh water.

We must begin to treasure and conserve fresh water like its our own life's blood. We cannot afford to waste any of it. This new ordinance is a good step toward the goal of maximum water conservation.

Dave Rhody
District 4
San Francisco

-a member of the [Bay Area Climate Reality Project](#)

From: [Pamela Coxson](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Mar. Gordon \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#)
Subject: Water reuse and recycling ordinance (File 210536)
Date: Tuesday, September 7, 2021 1:03:47 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Public Safety and Neighborhood Services Committee,

As a resident of San Francisco in District 8 and a longtime advocate of forward looking environmental policies (1997 Sustainability Plan for SF, SF Greens, and SF Climate Emergency Coalition), I support water reuse and recycling, as currently being proposed, to be both a

- **necessary climate change adaptation** and
- the starting point of a **Just Transition** for fossil fuel workers.

Climate trends will lead to increasing frequency and duration of drought. The measures proposed here were included in the 1997 Sustainability Plan and are even more urgently needed today. Transitioning gas pipe fitters to lay pipes for recycling water is an efficient way to jump start the infrastructure upgrades that we need for this project.

Please make this a priority.

Sincerely,

Pamela Coxson

From: [David Fairley](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Mar. Gordon \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#); [Mandelman, Rafael \(BOS\)](#)
Subject: Support Re: File 210536, Water reuse and recycling ordinance
Date: Tuesday, September 7, 2021 12:39:27 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Public Safety and Neighborhood Services Committee,

Our current unprecedented drought should ring alarm bells: Climate change is happening now and happening to us. We need to act now both to reduce our impact and to make SF more resilient to its effects. The Water reuse and recycle ordinance would do both -- it not only reduces our need for Hetch Hetchy water, but also reduces our carbon footprint (pumping water takes energy!). There is the added benefit that it provides work for pipefitters who may lack work as we transition away from natural gas.

As a resident of San Francisco in District 8 and a member of the SF Climate Emergency Coalition, I urge you to support this measure.

Sincerely yours,

David Fairley

From: [Liliana Peliks](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Mar. Gordon \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#); [Ronen, Hillary](#)
Subject: Support File 210536, Water reuse and recycling ordinance
Date: Tuesday, September 7, 2021 12:38:46 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Public Safety and Neighborhood Services Committee,

As a resident of San Francisco in District 9 and a member of the SF Climate Emergency Coalition, I support water reuse and recycling both as a

- **necessary climate change adaptation** and
- the starting point of a **Just Transition** for fossil fuel workers.

Climate change makes drought in California ever more likely and severe, and up to this point we San Franciscans have been using our precious Hetch Hetchy water source unsustainably. We need to take seriously the need to reuse, and use less.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water recycling pipe.

Sincerely,
Liliana Peliks

From: [Gentry Higgins](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Mar. Gordon \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#); [Preston, Dean \(BOS\)](#)
Subject: Support Re: File 210536, Water reuse and recycling ordinance
Date: Tuesday, September 7, 2021 12:20:20 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Public Safety and Neighborhood Services Committee,

As a resident of San Francisco in District 5 and a member of the SF Climate Emergency Coalition, I support water reuse and recycling both as a

- **necessary climate change adaptation** and
- the starting point of a **Just Transition** for fossil fuel workers.

Climate change makes drought in California ever more likely and severe, and up to this point, we San Franciscans have been using our precious Hetch Hetchy water source unsustainably. We need to take seriously the need to reuse, and use less.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water recycling pipe.

Sincerely,
Gentry Higgins

From: [Adrienne Gembala](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#); [Mar. Gordon \(BOS\)](#); [Preston, Dean \(BOS\)](#)
Subject: Support Re: File 210536, Water reuse and recycling ordinance
Date: Tuesday, September 7, 2021 12:10:24 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Public Safety and Neighborhood Services Committee,

As a resident of San Francisco in District 5 and a member of the SF Climate Emergency Coalition, I support water reuse and recycling both as a

- **necessary climate change adaptation** and
- the starting point of a **Just Transition** for fossil fuel workers.

Climate change makes drought in California ever more likely and severe, and up to this point we San Franciscans have been using our precious Hetch Hetchy water source unsustainably. We need to take seriously the need to reuse, and use less.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water recycling pipe.

Sincerely,

[Adrienne Gembala](#)
District 5 Resident
adriennegembala@gmail.com
661 645 5569

From: [Terri Saul](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Mar. Gordon \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#)
Subject: Support Re: File 210536, Water reuse and recycling ordinance
Date: Tuesday, September 7, 2021 8:33:53 AM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Public Safety and Neighborhood Services Committee,

As a San Francisco worker and a supporter of the SF Climate Emergency Coalition, I support water reuse and recycling both as a

- **necessary climate change adaptation** and
- the starting point of a **Just Transition** for fossil fuel workers.

Climate change makes drought in California ever more likely and severe, and up to this point we San Franciscans have been using our precious Hetch Hetchy water source unsustainably. We need to take seriously the need to reuse, and use less.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water recycling pipe.

Sincerely,
Terri Saul

From: [Harlo Pippenger](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Mar. Gordon \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Haney, Matt \(BOS\)](#); [Melgar, Myrna \(BOS\)](#)
Subject: Support Re: File 210536, Water reuse and recycling ordinance
Date: Tuesday, September 7, 2021 8:01:38 AM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Public Safety and Neighborhood Services Committee,

As a resident of San Francisco in District 7 and a member of the SF Climate Emergency Coalition, I support water reuse and recycling both as a

- **necessary climate change adaptation** and
- the starting point of a **Just Transition** for fossil fuel workers.

Climate change makes drought in California ever more likely and severe, and up to this point we San Franciscans have been using our precious Hetch Hetchy water source unsustainably. We need to take seriously the need to reuse, and use less.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water recycling pipe.

Sincerely,
Harlo Pippenger

From: [Gabriel Goffman](#)
To: [Carroll, John \(BOS\)](#)
Subject: Fwd: Support Re: File 210536, Water reuse and recycling ordinance
Date: Monday, September 6, 2021 9:44:10 PM

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----- Forwarded message -----

From: **Gabriel Goffman** <gfgoffman@gmail.com>
Date: Mon, Sep 6, 2021 at 9:34 PM
Subject: Support Re: File 210536, Water reuse and recycling ordinance
To: Stefani, Catherine (BOS) <Catherine.Stefani@sfgov.org>, john.carol@sfgov.org <john.carol@sfgov.org>
CC: Gordon.Mar@sfgov.org <Gordon.Mar@sfgov.org>, Matt.Haney@sfgov.org <Matt.Haney@sfgov.org>

Dear Public Safety and Neighborhood Services Committee,

As a resident of San Francisco in D2 and a member of the SF Climate Emergency Coalition, I support water reuse and recycling both as a

- **necessary climate change adaptation** and
- the starting point of a **Just Transition** for fossil fuel workers.

Climate change makes drought in California ever more likely and severe, and up to this point we San Franciscans have been using our precious Hetch Hetchy water source unsustainably. We need to take seriously the need to reuse, and use less.

Also, it is excellent that this ordinance will allow the pipefitters previously laying gas lines to transition to good jobs using their same skills to lay water recycling pipe.

Sincerely,

From: [Paul Wermer](#)
To: [Carroll, John \(BOS\)](#); [Haney, Matt \(BOS\)](#); [Stefani, Catherine \(BOS\)](#); [Mar, Gordon \(BOS\)](#)
Cc: [Mandelman, Rafael \(BOS\)](#); [MelgarStaff \(BOS\)](#); [Bintliff, Jacob \(BOS\)](#); [Ronen, Hillary](#)
Subject: SUPPORT: File # 210536 [Health, Business and Tax Regulations Codes - Alternate Water Sources ,for Non-Potable Applications (Sept 9 agenda item 5)
Date: Monday, September 6, 2021 4:30:36 PM

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Supervisors Stefani, Haney and Mar:

It was a pleasure to review the proposed *Alternate Water Sources for Non-Potable Applications* legislation (file no. 210536) and discover that none of the things I worry about were in the draft ordinance.

As we adopt adaptation strategies to deal with climate change, we must deal with both too much water, and too little water. This legislation is an excellent step in adapting to too little water. And it is a great example of how good climate strategies are consistent with good jobs: Installing and maintaining water reuse systems is complex work calling for skilled workers.

I was pleased to see Sec 12.C.1 (f) – (h) calling on SFPUC to report on how to expand water reuse and the potential for water heating systems. This is an essential analysis, and I hope the SFPUC adopts the same quality of public outreach they used for the 2020 IRP as they develop these proposals.

I fully endorse the proposed legislation, and urge the full board to support it..

With thanks to Supervisors Mandelman, Mar, Melgar and Ronin for their work on this ordinance,

Sincerely,
Paul

--

Paul Wermer
2309 California St
San Francisco, CA 94115

paul@pw-sc.com