



San Francisco Department of Public Health
Barbara A. Garcia, MPA
Director of Health

170456
SUBMITTED IN
COMMITTEE
5/24/2017

Edwin M Lee, Mayor

Tomás J. Aragón, MD, DrPH
Health officer

May 19, 2017

Mr. Harlan L. Kelly, Jr.
General Manager
San Francisco Public Utilities Commission
525 Golden Gate Avenue, 13th Floor
San Francisco, CA 94102

Dear Mr. Kelly

Thank you for asking the San Francisco Department of Public Health (SFPUC) to reiterate our support for the San Francisco Public Utilities Commission (SFPUC) Groundwater Supply Project. The Groundwater Supply Project has undergone substantial regulatory review, and over the years SFPUC has been collaborating actively with SFPUC on many aspects of the Groundwater Supply Project to ensure that health issues are appropriately considered and incorporated at every opportunity.

We know that SFPUC's retail and wholesale customers all receive a blend of Hetch Hetchy water with local surface water reservoirs, and we understand that the addition of local groundwater sources to the City of San Francisco supply is a safe and important strategy that many of SFPUC's wholesale customers have already implemented. We agree that this project is critical to SFPUC's ongoing efforts to diversify the water portfolio and that it will provide many benefits including resilience to droughts such as the one we experienced over the previous years.

The California Environmental Quality Act (CEQA) process ensured that the project will not have significant adverse environmental impacts, and the approval by the State Water Resources Control Board Division of Drinking Water (DDW) is assurance that introduction of groundwater to the blend will in no way diminish the safety of delivered water. The drinking water standards set and enforced by the state DDW and the federal Environmental Protection Agency are protective of acute and chronic health effects, and are periodically reassessed to insure the continued protection of consumers, including vulnerable individuals such as infants and people who are immunocompromised.

Further, SFPDH staff with expertise in water quality issues continually reviews emerging scientific, medical, and public health literature relevant to drinking water standard development and applicability, and we believe the evidence is clear that the plan to blend groundwater with surface water supplies will not create any adverse health consequences.

Sincerely,

A handwritten signature in black ink that reads "Tomás Aragón". The signature is written in a cursive style with a large initial 'T'.

Tomás J. Aragón, MD, DrPH
Health Officer, City & County of San Francisco
San Francisco Department of Public Health
101 Grove St, Rm 308, SF CA 94102

A RESOLUTION OF THE CITIZEN'S ADVISORY COMMITTEE OF THE SAN FRANCISCO PUBLIC UTILITIES COMMISSION IN SUPPORT OF THE SFPUC GROUNDWATER PROGRAM

Whereas, the San Francisco Public Utilities Commission currently obtains 85% of its water supply from the Tuolumne River, where it holds water rights for diversion that are junior to those of the Turlock and Modesto Irrigation Districts who also use water from the River;

Whereas, the SFPUC's surface water supplies are increasingly constrained by climate change, as well as the obligation to provide instream flows to support a variety of species in the Tuolumne River, Alameda Creek and Peninsula watersheds;

Whereas, the SFPUC has identified a suite of options for limiting its reliance upon its Tuolumne River, Alameda Creek and Peninsula watersheds including water conservation and recycling, reuse of gray water, blackwater, stormwater and sump water, and making use of the region's groundwater resources;

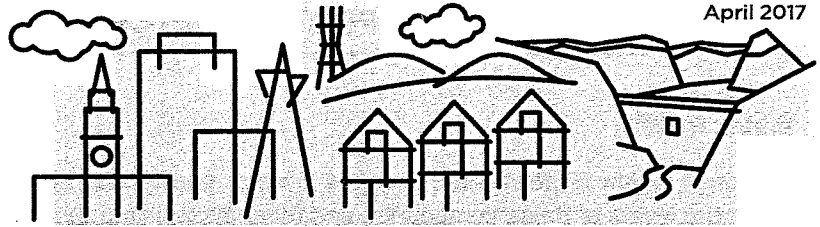
Whereas, groundwater was a significant source of water supply for San Francisco prior to the completion of the Hetch Hetchy Regional Water System, and remains a major source of supply for communities within the Regional Water System;

Therefore be it resolved, that the SFPUC Citizens' Advisory Committee supports the actions of the SFPUC to diversify its water supply, including the proposal to augment the City's drinking water supplies with groundwater, provided that the water delivered to residents exceeds public health requirements.

As Adopted by the Full Citizens Advisory Committee on November 18th, 2014

HETCH HETCHY LOCAL WATER

Better together.



Groundwater • Recycled Water • Conservation | Programs to conserve water and develop new supplies in the Bay Area.

Groundwater

A Reliable Source of Drinking Water for San Francisco

Groundwater – also known as well water – is a renewable source of naturally occurring water that is found in underground reservoirs called aquifers. Aquifers are replenished primarily by rainfall.

In April, 2017, the San Francisco Public Utilities Commission (SFPUC) will start pumping groundwater from the Westside Groundwater Basin aquifer that extends to approximately 400 feet below the surface in San Francisco. The groundwater will be treated and blended with our regional drinking water supplies before it is delivered to our customers.

For the past decade, the SFPUC has collected water quality and quantity data from the Westside Basin aquifer. With our extensive testing and data collection we know that after adding groundwater to our regional water supplies, we will continue to provide our customers with high-quality drinking water that meets or exceeds all regulatory safety and quality standards set by the California State Water Resources Control Board, Division of Drinking Water, and the U.S. Environmental Protection Agency.

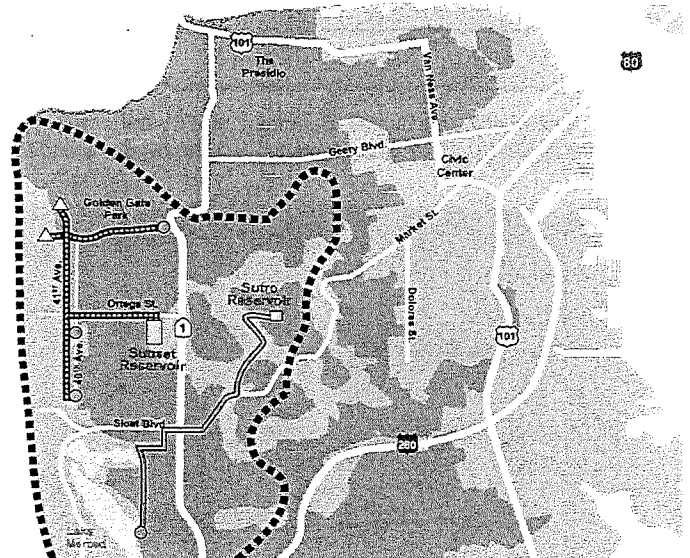
How the San Francisco Groundwater Project Works

In 2017 we plan to implement the groundwater project slowly, by blending just 1 million gallons per day (mgd) of groundwater with our regional water supplies. Over the next few years we will continue adding groundwater in order to reach our goal of blending 4mgd of treated groundwater with our regional water supplies by 2020.

Once the project is completed, the SFPUC will have 6 groundwater wells pumping up to 4mgd of groundwater

from the Westside Groundwater Basin in San Francisco. The groundwater will be treated with chlorine and then delivered to the Sunset and Sutro Reservoirs. The blended water will be served to more than half of the SFPUC customers in the City. San Francisco's drinking water supplies are tested daily with a network of instrumentation throughout our regional water system as well as through manual sampling.

On an average day the City of San Francisco – including our residents, businesses and visitors – will continue to rely primarily on the Hetch Hetchy Regional Water System, a system that combines the resources of the Hetch Hetchy Reservoir with 5 reservoirs in the Bay Area, for 60 million gallons of drinking water. Adding groundwater to our regional water supplies makes San Francisco's water supply more reliable, particularly in the event of droughts and emergencies.



- Groundwater Blend Distribution Areas
- Phase I Groundwater Well
- Sutro Pipeline (Existing)
- Westside Groundwater Basin
- Existing Water Reservoir
- Phase II Groundwater Well
- Proposed Groundwater Pipeline



San Francisco Water Sewer
Operator of the Hetch Hetchy Regional Water System

SF Groundwater Project UPDATE | HETCH HETCHY + LOCAL WATER

Water Quality

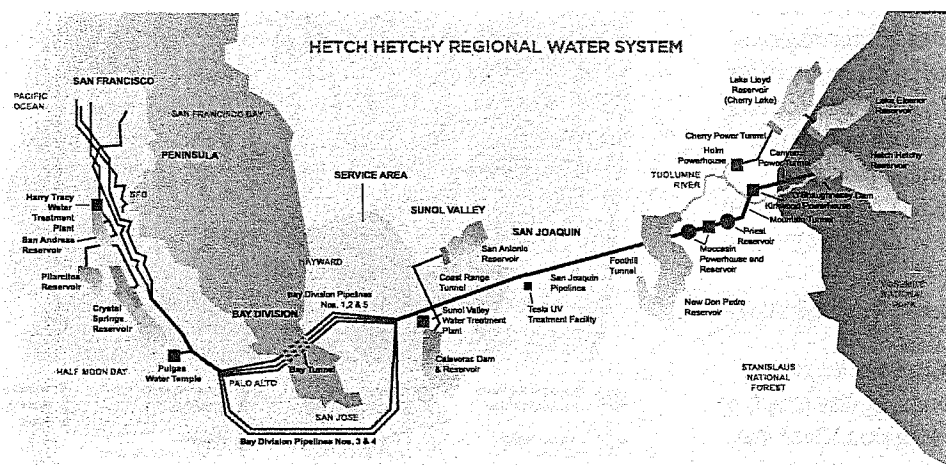
The chart below illustrates the changes in water quality when we blend groundwater with our surface supplies. While the levels of these compounds and minerals will change, they will never exceed the Maximum Contaminant Level (MCL), or Secondary Maximum Contaminant Level (SMCL) determined by the State Water Resources Control Board, Division of Drinking Water.

SFPUC Drinking Water - Before and After Groundwater Addition

Current and projected values for drinking water constituents

Parameter	Units	MCL or SMCL	"Before GW Addition - 2016"	"After GW Addition - 2017"
Alkalinity	mg/L (as CaCO ₃)	none	49	52
Chloride	mg/L	250	14	15
Chromium-6	mg/L	0.010	0.00020	0.00087
Hardness	mg/L (as CaCO ₃)	none	54	59
Iron (Fe)	mg/L	0.30	0.050	0.051
Manganese (Mn)	mg/L	0.050	0.0040	0.0047
Nitrate	mg/L (as NO ₃)	45	0.35	1.45
Total Dissolved Solids	mg/L	500	92	99
Specific Conductance	µS/cm	900	178	189

Ref: ● Review of Water Quality, Treatment, and Operations for Future SFPUC Groundwater Supply, Final
 ● KJC-SPFUC 2012, and Chromium-6 Groundwater Blending Analysis, SFPUC WQD 2015.



Creating a Reliable Water Supply Future

Creating a Reliable Water Supply Future San Francisco residents, businesses and visitors enjoy some of the nation's highest quality drinking water, delivered from the Hetch Hetchy Regional Water System. The SFPUC is actively working to create a water efficient city and to diversify our water supplies to ensure a safe and reliable water supply today and in the future.

The Hetch Hetchy Regional Water System combines water from 6 reservoirs, Hetch Hetchy Reservoir and 5 reservoirs in the Bay Area.

By using water efficiently and diversifying our water supplies we are minimizing the impacts to our customers from water shortages due to droughts, major earthquakes, declines in snowpack or other unforeseen events that may affect our water supply.

More information about Groundwater and other Local Water Programs can be found at sfwater.org/localwater

170456

5/24/2017

May 24, 2017

To San Francisco District Supervisors:

re: PUC Report on Groundwater Hearing at The Board of Supervisors'
Public Safety and Neighborhood Services Committee

We are concerned about the safety and the health of the citizens of San Francisco who may be effected by the adding of groundwater into Hetch Hetchy water for human consumption, referred to as "the blend". We assume that there will be a lot of discussion and concerns expressed on this issue where the health and well-fare of our citizens is concerned. We mention all citizens of San Francisco, because regardless of where we may reside or work, and spend most of our time, we all travel freely about the city and may at any time drink the blend without formal notice. "The Blend" effects us all equally as the claim that we have the best purest Hetch Hetchy water in our taps will no longer apply once there is a "blend."

I will leave it up to others to delve into the many reasons for concerns over the health implications for those with compromised immune systems and chemical sensitivities, and bring up related legal matters. For some time the City has been boasting about the purity of our Hetch Hetchy drinking water and creating tools to encourage the drinking of tap water by charging extra for bottled water and even making it difficult for people to obtain and travel with bottles in some areas or situations around our city parks and properties.

I am going to request a roll-back on those legal tools as the claims they were based on are no longer valid when we establish "The Blend". I refer to the "deposits" on bottles and other city-ordinances that no longer apply. You can't have it both ways. You can't force people to drink impure tap water or punish them with fees and fines for going back to bottled water. This could be especially important for health clinics and hospitals that will have to spend more on bottled water or risk feeding their patients a potentially unhealthy dose of pesticides and other chemicals that may make San Francisco hospitals and health clinics less popular without the pure Hetch Hetchy water.

Please re-consider the need to "Blend" during a record rainfall year. Also please reconsider the need to sell our water. As some have stated, or will I suspect, no matter how safe we think we are in setting our exposure limits today, in all likelihood those limits will be reset over time. We have no idea

what the safe limits will be until we see some results.

Look at how the artificial turf argument has changed since the City sold it to the public. The state is now taking on studies of the product that was approved and passed the EIR standards we had in place. Now it appears the state will most likely require we remove the artificial turf and replace it with natural grass within a couple of years

Many people feel that the rush to "blend" is based on the rush to build. If this is so, what else must we compromise in order to become a "World Class" city that surpasses Manhattan or Hong Kong in size and density? Do we want to outgrow our water supply? How many people are too many for this land to support? Where are those limits going to be set and by whom? We will need a bigger landfill to handle all the empty water bottles that people will be drinking from soon. Where is the plan for that?

Sincerely,


Mari Eliza, Concerned Citizen

cc:

PUC - Harlan Kelly, Jr., General Manager, Public Utilities Commission - hkelly@sfgov.org

Erica Major, Assistant Clerk, Public Safety and Neighborhood Services - erica.major@sfgov.org

Juliet Ellis, Public Utilities Commission - jellis@sfgov.org

Statement by F. Richard Frisbie Before the San Francisco Board of Supervisors'
Public Safety and Neighborhood Services Hearing Opposing the SFPUC
Groundwater Supply Project Wednesday May 24, 2017

In May 2008's "San Francisco Water Quality Protection Plan" the PUC stated "The use of alternative sources should not degrade the quality of water to which the residents of San Francisco are accustomed."

This is now the Groundwater Supply Project based on "Blended" water.

I use the term "Blended" with a bad taste in my mouth that comes from drinking contaminated water.

When blending is used with whisky or coffee it means combining products of equal quality.

When used by the PUC it means combining pristine with contaminated!

Due to a record rainfall in the Bay Area and record snowpack in the Sierras there is an ample supply of water in our Hetch-Hetchy Regional Water System to supply San Francisco and our wholesale customers well beyond the next two years, even if the drought returns next year.

Even though San Francisco has grown by 90,000 residents since 2005, due to our conservation efforts we have reduced our water usage from 80.6 million gallons per day in 2005 to 62.1 million gallons per day in 2016; an 18.5 million gallons day reduction which exceeds the PUC's goal of a 10 million gallons per day reduction by 85%.

And for this heroic action what do we get?

Contaminated drinking water!

The numbers speak for themselves - there is no need to add groundwater to our drinking water supplies now, or in the foreseeable future.

Let's look at the other major issue "the need to augment and serve as a backup in the event of a man-made or natural disaster that disrupts the supply

That objective makes a lot of sense.

Why would the PUC take our ultimate safeguard against a future water crisis and actively depleting it?

The PUC proposes to deplete this critical backup, supply us contaminated drinking water and put the health of our youngest and most vulnerable residents at risk.

If I appear astonished it is only because I am!

The PUC's approach to the San Francisco Groundwater Supply Project is based on the Black Hole concept: Information, facts, logic, community input and public well-being is sucked in and destroyed, never to see the light of day again.

One last comment:

Why, given this history, would anyone believe that 15% will be the maximum amount ever blended?"

Exactly what written and enforceable protections does the public have?

Please STOP this willful neglect."

While “we are all in this together” when it comes to effects of emergencies like drought and earthquakes, which are used as the rationale for the San Francisco Groundwater Supply Project, the project is not uniformly applied and directly affects only 60% of San Francisco customers, primarily those who live and work in the west side of the city. While I live in the eastern part of the city in the Mission, I am in one of those pockets where this blended water project also affects, which seems arbitrary at best and discriminatory at worst. As a consumer, I do not want to be forced to get a lower quality product—however slight—and pay the same price as a neighbor who continue to enjoy the benefits of a more pristine, unadulterated product.

Water is a basic necessary for not only drinking, but also bathing, washing and producing homegrown food for those who are health-conscious. Like most public and municipal utilities, the SFPUC has monopolistic control over this precious commodity and should be more responsive to public input and given choices whether or not to proceed with any programs that can compromise their health and well-being. As an example of how the public needs to be involved, we have recently seen how state and local officials in Flint, Michigan have repeatedly assured the residents that the inadequately monitored and treated river water supply they switched to was perfectly safe to drink, despite the obvious signs of discoloration, malodorous smell and taste. As the alarming number of children in Flint, Michigan developed cases of lead poisoning and a car-manufacturing plant had premature corrosion of their auto parts, this water program reached crisis proportions, but none of the advocates for the water program took responsibility and suffered any consequences for their unilateral decisions. Thus, while we may take the high quality of Hetch Hetchy water for granted, we still need to be vigilant and proactive about what actually comes out of our taps, and not reactive to “wait and see” and “too little, too late” scenarios.

1. Why did the SFPUC implement this groundwater program on April 18, 2017 not in response to any drought as it claimed as the primary reason, when the precipitation exceeded annual average levels two months before on February 20?
2. Why are some areas—about 40% San Francisco customers— exempt from having blended water? What criteria did SFPUC use to determine this disparity?
3. Why has the SFPUC already scheduled increases blending groundwater from 3% up to 15% over the next four years, indicating that it is actually operating independently of any plausible weather forecast of severe drought in the future?
4. What measures are implemented to insure that urban ground water is safe from aging and leaking sewer lines, underground storage tanks of gas stations, fertilizers, chemicals from dry cleaning, and—in the current world— sabotage, etc.?
5. Will there be a reduction in the cost of transporting water from local sources and treating water minimally only “as necessary” according to state guidelines? Will the savings be passed on to customers directly affected by this underground water program?
6. Who would be held responsible for any fallout for this groundwater program if these expert and professional opinions that are being used to promote and reassure the skeptical members of the public are proven wrong, resulting in dire consequences as in Flint, Michigan?

Number and Percentage of Residents of San Francisco receiving the SFPUC's Groundwater/Hetch Hetchy mix and those still receiving 100% Hetch Hetchy regional System water from their taps, Citywide and by Supervisorial District.

Sources: April 1, 2010 U.S. Census and Census Tracts, Block Groups and Blocks Maps
SFPUC's Groundwater Blend Distribution Area Map, May 5, 2017

Prepared by Christopher L. Bowman

Supervisorial District	Total Residential Population	Total Residential Population Receiving Groundwater mix	Total Residential Population Still Receiving 100% Hetch Hetchy water	% of Total Residential Population Receiving Groundwater mix
1	69,703	66,852	2,851	95.9%
2	69,544	54,914	14,630	79.0%*
3	70,394	53,514	16,880	76.0%
4	72,498	48,311	24,187	66.6%
5	74,600	50,890	23,710	68.2%
6	73,909	5,708	68,201	7.7%
7	72,737	51,329	21,408	70.6%
8	75,746	36,163	39,583	47.7%
9	76,720	17,127	59,593	22.3%
10	72,566	10,640	61,926	14.7%
11	76,818	64,669	12,149	84.2%
Citywide	805,235	460,117	345,118	57.1%

* Includes the 3,235 residents of the Presidio of San Francisco who get 20% of their water from the SFPUC and the other 80% from the Lobos Creek watershed/aquifer. Thus, the Westside groundwater coming out of the taps in the Presidio is only 20% of the concentration that is coming out of the taps for 56.7% of the rest of San Francisco.

Revised List of SFUSD Schools Currently Receiving Tap Water with the Groundwater/Hetch Hetchy Regional System Water Mix and those Still Receiving 100% Hetch Hetchy Regional System Water

Prepared by Christopher L. Bowman, 5/22/17, based on the SFPUC's groundwater blend distribution area map (sfwater.org; Environment; Conserving Water and Diversifying Supply; Groundwater, SF Groundwater Supply Project) and (sfusd.edu/en/schools/all-schools)

Schools receiving groundwater mix in their tap water (69 schools)

Alamo Elementary School	250 23 ^d Avenue
Alvarado Elementary School	625 Douglass Street
Argonne Early Education School	750 16 th Avenue
Argonne Elementary School – Extended Year	680 18 th Avenue
Chinese Immersion School at De Avila	1250 Waller Street
City Arts and Tech High School	325 La Grande Avenue
Clarendon Elementary School	500 Clarendon Avenue
Cleveland Elementary School	455 Athens Street
Creative Arts K-8 Charter School	1601 Turk Street
Excelsior Monroe Out-of-School (OST) Program	260 Madrid Street
Dianne Feinstein Elementary School	2550 25 th Avenue
Garfield Elementary School	420 Filbert Street
Gateway Middle School	1512 Golden Gate Avenue
A. P. Giannini Middle School	3151 Ortega Street
Glen Park Elementary School	151 Lippard Avenue
Grattan Elementary School	165 Grattan Street
Guadalupe Elementary School	859 Prague Street
Hillcrest Elementary School	810 Silver Avenue
Independence High School	1350 7 th Avenue
Jefferson Early Education School	1350 25 th Avenue
Jefferson Elementary School	1725 Irving Street
Jefferson Out-of-School (OST) Program	1325 18 th Avenue
June Jordan High School	325 La Grande Avenue
Lafayette Elementary School	4545 Anza Street
Gordon J. Lau Elementary School	950 Clay Street
Lawton Alternative School (K-8)	1570 31 st Avenue
James Lick Middle School	1220 Noe Street
Claire Lilienthal (K-2 Madison Campus)	3950 Sacramento Street
Longfellow Elementary School	755 Morse Street
Lowell High School	1101 Eucalyptus Drive
Theresa S. Mahler Early Education School	990 Church Street
Frank McCoppin Elementary School	651 6 th Avenue
Frank McCoppin Out-of-School (OST) Program	651 6 th Avenue
McKinley Elementary School	1025 14 th Street
John McLaren Early Education School	2055 Sunnydale Avenue
Harvey Milk Elementary School	4235 19 th Street
Miraloma Elementary School	175 Omar Way
Mission Education Center Elementary School	1670 Noe Street
Monroe Elementary School	260 Madrid Street
John Muir Elementary School	380 Webster Street

Schools receiving groundwater mix in their tap water (Cont'd.)

New Traditions Elementary School	2049 Grove Street
Jean Parker Elementary School	840 Broadway
Jean Parker Out-of-School (OST) Program	840 Broadway
George Peabody Elementary School	251 6 th Avenue
Presidio Early Education School*	387 Moraga Street
Presidio Middle School	450 30 th Avenue
Redding Elementary School	1421 Pine Street
Redding Out-of-School (OST) Program	1421 Pine Street
Rooftop (PreK-8) School (PreK-4 Burnett Campus)	443 Burnett Street
Theodore Roosevelt Middle School	460 Arguello Boulevard
S.F. Community (K-8) School	125 Excelsior Avenue
S.F. Public Montessori Elementary School	2340 Jackson Street
Junipero Serra Elementary School	625 Holly Park Circle
Junipero Serra Out-of-School (OST) Program	625 Holly Park Circle
Sheridan Elementary School	431 Capitol Avenue
Sherman Elementary School	1651 Union Street
Commodore Sloat Elementary School	50 Darien Way
Spring Valley Elementary School	1451 Jackson Street
Spring Valley Out-of-School Time Program (OST)	1451 Jackson Street
Robert Louis Stevenson Elementary School	2051 34 th Avenue
Commodore Stockton Early Education School	1 Trenton Street
Sunnyside Elementary School	250 Foerster Street
Sutro Elementary School	235 12 th Avenue
Sutro Out-of-School-Time (OST) Program	235 12 th Avenue
Visitacion Valley Middle School	450 Raymond Avenue
Raoul Wallenberg High School	40 Vega Street
George Washington High School	600 32d Avenue
Ida B. Wells High School	1099 Hayes Street
Yick Wo Elementary School	2245 Jones Street

* The Presidio of San Francisco receives 20% of its water from the SFPUC, and that water is within the distribution area for the groundwater mix. Thus, groundwater from the Westside Aquifer is currently only 0.25% of the water coming out of the taps of the **Presidio Early Education School**. That percentage will increase to 3.00% by the end of 2020.

Schools still receiving 100% Hetch Hetchy Regional System water (60 schools)

Asawa San Francisco School of the Arts (SOTA)	555 Portola
Balboa High School	1000 Cayuga Avenue
Willie L. Brown, Jr. Middle School	2055 Silver Avenue
Bryant Elementary School	2641 25 th Street
Buena Vista Horace Mann K-8 Community School	3351 23 rd Street
Bessie Carmichael (PreK-8) School (6-8)	824 Harrison Street
Bessie Carmichael (PreK-8) School (PreK-5)	375 7 th Street
Dr. George Washington Carver Elementary School	1360 Oakdale Avenue
Cesar Chavez Elementary School	825 Shotwell Street
Chinese Education Center Elementary School	657 Merchant Street
Civic Center Secondary School	727 Golden Gate Avenue
James Denman Middle School	241 Oneida Avenue
Downtown High School	693 Vermont Street
Dr. Charles R. Drew Elementary School	50 Pomona Avenue
Edison Charter K-8	3531 22 nd Street
El Dorado Elementary School	70 Delta Street
Everett Middle School	450 Church Street
Five Keys Charter	70 Oak Grove Street
Leonard Flynn Elementary School	3125 Cesar Chavez Street
Leonard Flynn Out-of-School (OST) Program	3125 Cesar Chavez Street
Gateway High School	1430 Scott Street
Bret Harte Elementary School	1035 Gilman Avenue
Leola M. Havard Early Education School	1520 Oakdale Avenue
Hilltop Special Services Center	1325 Florida Street
Herbert Hoover Middle School	2290 14 th Avenue
Francis Scott Key Elementary School	1530 43d Avenue
Francis Scogtt Key Out-of-School (OST) Program	1530 43d Avenue
Dr. Martin Luther King, Jr. Middle School	350 Girard Street
KIPP Bayview Academy	1060 Key Avenue
KIPP S.F. Bay Academy	1430 Scott Street
KIPP S.F. College Prep.	1195 Hudson Avenue
Las Americas Early Education School	801 Treat Avenue
Life Learning Academy Charter School	651 8 th Street, Bldg. 229, Treasure Island
Claire Lilienthal (3-8 Winfield Scott Campus)	3630 Divisadero Street
Malcolm X Elementary School	350 Harbor Road
Marina Middle School	3500 Fillmore Street
Marshall Elementary School	1575 15 th Street
Thurgood Marshall High School	45 Conkling Street
Mission High School	3750 18 th Street
George Moscone Elementary School	2576 Harrison Street
Noriega Early Education School	1775 44 th Avenue
John O'Connell High School	2355 Folsom Street
Jose Ortega Elementary School	400 Sargent Street
Rosa Parks Elementary School	1501 O'Farrell Street
Zaida T. Rodriguez Early Education School	421 Bartlett Street
Rooftop (PreK-8) School (5-8 Mayeda Campus)	500 Corbett Avenue
Sanchez Elementary School	325 Sanchez Street
S.F. International High School	1050 York Street
Junipero Serra (Annex) Early Education School	155 Appleton Avenue

Schools still receiving 100% Hetch Hetchy Regional System water

Starr King Elementary School	1215 Carolina Street
E. R. Taylor Elementary School	423 Burrows Street
Tenderloin Elementary School	627 Turk Street
The Academy – San Francisco @ McAteer	555 Portola Drive
Tule Elk Park Early Education School	2110 Greenwich Street
Ulloa Elementary School	2650 42 nd Avenue
Daniel Webster Elementary School	465 Missouri Street
Daniel Webster Out-of-School (OST) Program	465 Missouri Street
Raphael Weill Early Education School	1501 O’Farrell Street
West Portal Elementary School	5 Lenox Way
Woodside Learning Center	375 Woodside Avenue

NOTES: **The Log Cabin Ranch County School** in La Honda (San Mateo County) will not be receiving groundwater from the SFPUC’s groundwater supply project, but it is unclear whether it receives its water from the Hetch Hetchy Regional Water System, and if so, whether it receives 100% Hetch Hetchy Regional System water or if that water is mixed with local well water.

The properties of fifteen additional schools of the SFUSD straddle the distribution area for the SFPUC’s groundwater blend, including **Aptos Middle School**, 105 Aptos Avenue; **Phillip and Sala Burton High School**, 400 Mansell Street; **John Yehall Chin Elementary School**, 350 Broadway; **Dr. William L. Cobb Elementary School**, 2727 California Street; **Fairmont Elementary School**, 65 Chenery; **Francisco Middle School**, 2190 Powell Street; **Galileo High School**, 1150 Francisco Street; **Lakeshore Elementary School**, 220 Middlefield Drive; **Leadership Charter High School**, 350 Seneca Avenue; **Abraham Lincoln High School**, 2162 24th Avenue; **Paul Revere (PreK-8) School**, 555 Tompkins Avenue; **San Miguel Early Education School**, 300 Seneca Avenue; **Sunset Elementary School**, 1920 41st Avenue; **Visitation Valley Elementary School**, 55 Schwerin Street; and the **Alice Fong Yu School**, 1541 12th Avenue. Additional research will be required to determine which classrooms, buildings, and facilities will and will not be receiving the groundwater mix.

According to the groundwater blend distribution area map of the SFPUC, it appears that only portions of the athletic fields of the Phillip and Sala Burton High School and Abraham Lincoln High School will get the groundwater blend, while all of Galileo High School except a portion of its athletic field will receive the groundwater mix..

List of Major Hospitals Currently Receiving Tap Water with the Groundwater/Hetch Hetchy Regional System Water Mix and those Still Receiving 100% Hetch Hetchy Regional System Water

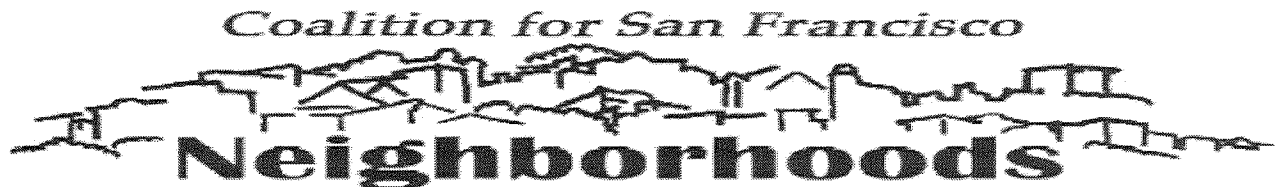
Prepared by Christopher L. Bowman, 5/22/17 based on the SFPUC's groundwater blend distribution area map (sfwater.org; Environment; Conserving Water and Diversifying Supply; Groundwater, SF Groundwater Supply Project).

Hospitals receiving groundwater mix in their tap water

Kaiser – French Campus	4141 Geary
St.Mary's Medical Center	450 Stanyan Street
Kaiser	2425 Geary Blvd.
CPMC – California West	3700 California
CPMC – California East	3698 California
CPMC Pacific Campus	2333 Buchanan
UCSF Medical Center – Mt. Zion	1600 Divisadero Street
CPMC – Davies Campus	601 Duboce
St Francis Memorial Hospital	900 Hyde
Chinese Hospital	845 Jackson
Jewish Home for the Aged	301 Silver

Hospitals still receiving 100% Hetch Hetchy Regional System water

VA Medical Center	4150 Clement
Langley Porter Psychiatric Hospital & Clinics	401 Parnassus
UCSF Medical Center	505 Parnassus
Laguna Honda Hospital & Rehabilitation Center	375 Laguna Honda Blvd.
Zuckerman SFGH & Trauma Center	1001 Potrero
CPMC – St.Lukes Hospital	3555 Cesar Chavez
UC Medical Center – Mission Bay	Multiple Addresses



Coalition of San Francisco Neighborhoods' Resolution opposed to the SFPUC's Groundwater Supply Project (Adopted by Unanimous Vote on May 16, 2017)

WHEREAS: On April 18, 2017, the SFPUC began adding groundwater into the tap water of 460,000 San Franciscans. When the SFPUC's groundwater supply project is fully operational by the end of 2020 with six wells, pumping stations, pipelines, and minimal treatment facilities, the SFPUC will mix 4 million gallons per day of lower quality groundwater with 20 million gallons of pristine and rigorously treated water from the Hetch Hetchy Regional Water System. Groundwater, by that time, will constitute 15 percent of the drinking water received by 57 percent of San Francisco residents.

WHEREAS: Consumption of high levels of nitrates in drinking water can cause adverse health effects to pregnant women and infants under the age of 6 months and to other persons with special health problems. That's why the US EPA set a Maximum Contamination Level (MCL) for nitrates in drinking water of 45 mg/l. San Francisco tap water using 100% Hetch Hetchy regional System water has a concentration of nitrates of only 0.35 mg/l. The SFPUC estimates that by the end of 2020, the levels of nitrates in the tap water of San Franciscans receiving the groundwater mix will be 4.75 mg/l or about 10.6% of the MCL. Some believe that the US EPA's current MCL for nitrates is valid and that even though the concentration of nitrates in our tap water will be 12.5 times higher by the end of 2020 than it was before April 18th, our tap water will still be perfectly safe to drink. Others believe that the MCL is based on 65 year old research and should be significantly reduced five- fold (as was the case in 2001, when the US EPA reduced the MCL for arsenic in drinking water from 50 ppb to 10 ppb) or by ten-fold, and if that were to happen, the nitrate levels in our tap water by the end of 2020 would be unsafe for some San Franciscans to drink

WHEREAS: The SFPUC argues that its Groundwater Supply Project is necessitated by:

The need to supplement a diminished supply of water from HetchHetchy Reservoir and five reservoirs in Alameda And San Mateo Counties out of concern for climate change and an on-going drought;

The need to expand our water supply to accommodate growth on the east side of the City; and

The need to augment and serve as a back-up supply in case of a natural or man-made disaster which shuts off our five major pipelines from the Crystal Spring Reservoir.

Upon close scrutiny, we believe that the SFPUC's Groundwater Supply Project falls far short of meeting any of these stated goals. The 4MGD provided by the Groundwater Supply Project at full capacity will meet a very small fraction of the need and much of that could well be required for Public Safety.

WHEREAS: The San Francisco Groundwater Supply Project Study provided by the SFPUC was flawed in its research in that it anticipated that water use region-wide would be 285MGD and 81MGD in San by 2017-2018. Instead, as a result of sustainable water conservation efforts by the 2.6MM customers of the Hetch Hetchy Regional System, water consumption was reduced to 178.7MGD region-wide and to 62.1MGD in San Francisco for 2016 -- approximately a 37.3 percent and 23.3 percent reduction, respectively. These sustainable levels represent a far greater savings of water than the 4MGD to be

Coalition for San Francisco Neighborhoods' Resolution opposed to the SFPUC's Groundwater Supply Project (Adopted by Unanimous Vote on May 16, 2017)

Page 2

added to the system by the Groundwater Supply Project --approximately by a factor of 5 for San Francisco alone.

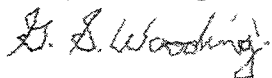
WHEREAS: 50 percent of Hetch Hetchy Regional System water is used for irrigation in San Mateo, Alameda, and Santa Clara Counties. Such wasteful practices belie the rationale for the need for groundwater to be added to our drinking water in the first place. Rather, groundwater or treated tertiary sewage water can and should be used to irrigate parks, medians, and open space districts in those three counties as is being done in San Francisco.

THEREFORE BE IT HEREBY RESOLVED: The Coalition of San Francisco Neighborhoods by unanimous consent calls upon the Board of Supervisors, Mayor Lee and the SFPUC to suspend indefinitely the adding of groundwater to the tap water received by San Francisco residents given the record supply of Hetch-Hetchy Regional System water available for our use and our wholesale customers' use for at least the next two years.

BE IT FURTHER RESOLVED, that the City not resume, or initiate adding groundwater to the Hetch Hetchy Regional System water until the SFPUC can guarantee the quality of water received by every San Francisco resident will be equal to or better than it was before April 18, 2017. The SFPUC should certify that it has studied and has complied with the World Health Organization's Guidelines for Nitrates in Safe Drinking Water. (who.int/water_sanitation_health/dwq/chemicals/nitratenitrate2ndadd.pdf)

BE IT FINALLY RESOLVED, the Coalition of San Francisco Neighborhoods calls upon the City and County of San Francisco to explore more viable and sustainable alternatives than using groundwater to supplement the City's potable water supply, that adding those alternative sources of water will not degrade the quality of our drinking water, and will actually meet the goals set out in the third **WHEREAS** clause, and then come back to the voters for approval of a new proposal and funding mechanism to expand the City's potable water supply.

George Wooding, President



Subject: Opposing the PUC plan to mix questionable ground water with our current water supply

From: parliamentarian@westoftwinpeaks.org (parliamentarian@westoftwinpeaks.org)

To: Board.of.Supervisors@sfgov.org; Norman.Yee@sfgov.org;

Cc: westoftwinpeaks-delegates@googlegroups.com; wtpcc-officers@googlegroups.com; jen.low@sfgov.org; chrisbowman@sbcglobal.net;

Date: Tuesday, May 23, 2017 11:57 AM



West of Twin Peaks Central Council

A Resource for Neighborhood Organizations West of Twin Peaks in San Francisco since 1936

PO Box 27112
San Francisco, CA 94127

<http://www.westoftwinpeaks.org/>

San Francisco Board of Supervisors

1 Dr. Carlton B. Goodlett Place

City Hall, Room 244

San Francisco, CA 94102

May 23, 2017

Re: Opposing the PUC plan to mix questionable ground water with our current water supply

Dear Supervisors:

The West of Twin Peaks Central Council established in 1936 represents twenty homeowners' and neighborhood associations in the western part of San Francisco. We are deeply concerned about the San Francisco PUC's plan of adding groundwater to the water that comes from the Hetch Hetchy system.

At our April 24th meeting, PUC's Mr. Jeffrey Gilman addressed our delegates advising of PUC's plan to mix San Francisco well water with our current Hetch Hetchy water supply. Mr. Gilman cited reliability, responsibility, and high quality as reasons for this blending plan.

West of Twin Peaks delegates are concerned with compromising the safety and quality of our world famous water, particularly in light of the PUC's own findings showing conflicting amounts of carcinogenic nitrates in multiple wells they intend to use. Also seeping into the groundwater are fertilizers, pesticides, herbicides used in parks and golf courses, byproducts of artificial turf (note warning signs at the Beach Chalet Soccer fields) and leakage from the waste-water system.

West of Twin Peaks Central Council delegates fully understand the logic of having the ability to use well water in the case of a catastrophic emergency, such as a major earthquake or a very severe drought. But we are reassured by Mr. Gilman's own statement that these wells can be easily activated in an emergency. When we asked Mr. Gilman why water from these emergency wells was needed in our supply now, there was no answer.

The West of Twin Peaks Central Council strongly urges you to stop this Hetch Hetchy/Well-Water mixing immediately.

Very truly yours,

Matt Chamberlain, Parliamentarian

West of Twin Peaks Central Council

WTPCC Member Organizations

Balboa Terrace - Forest Hill - Forest Knolls - Golden Gate Heights - Greater West Portal - Ingleside Terraces - Lakeshore Acres - Lakeside Property Owners - Merced Manor - Midtown Terrace - Miraloma Park - Monterey Heights - Mount Sutro Woods - Pine Lake Park - Saint Francis Woods - Sherwood Forest - Sunnyside - Twin Peaks - Westwood Highlands - The Woods

Attachments

- image002.jpg (19.06KB)

170456
5/24/2017

To: The Public Safety and Neighborhood Services Committee - San Francisco Board of Supervisors
Re: SFPUC's Groundwater Blending Plan-OPPOSED
From: J Lavroushin , San Francisco Native
Date: 24 May 2017 (* Most quotes from SFPUC site.)

SFPUC has a plan to blend toxic water with clean water. There is no argument from the SFPUC that the water is poisonous but they plan to dilute it to a supposedly tolerable level. Have you considered increased birth defects? Have you considered medical side effects on elders? Have you thought of the fact that adult bodies are comprised of 65% water and babies' are 78% water? Are you saying that it is acceptable to infuse our bodies and the bodies of those we love with a known toxin?

Your plan to experiment on some San Franciscans, like laboratory rats, is exclusionary. You prefer to poison only some of the residents over a period of 5 years, perhaps so that you can monitor your results. Look at the map. Is downtown not affected because you do not want to poison workers who travel to our City for jobs that bring in money? Why will water sold to other areas not be blended? Is it because you will lose money? Is financial gain more important than health?

Have you considered that the cleaning system may malfunction or the "mix" be incorrect due to either mechanical or human error, making our water, not only toxic, but maybe even lethal? Even a "robust monitoring program" can not control for this. Will you be able to shut down the system before you impact all the hospitals in San Francisco with ill patients ?

The PUC water site states that many rely on groundwater as their lone supply for water in order to normalize this ill conceived plan. This is true in non-urban areas where residents are aware that they only poison themselves if they dump toxics. Pesticides and chemicals are routinely dumped in San Francisco and work their way down to the aquifer. This is an urban area. The gardens of Golden Gate Park have been watered with it up to this point. This water is suitable for plants, not people. Now you want to water us with the same poison?

We are no longer in a drought situation so the argument for the necessity for this program carries less immediacy. Somehow, we made it through the past droughts. Diversifying the supply is important long term but a plan must be prudent and safe.

The PUC site states: "so that this groundwater basin will be available for generations to come." Future generations will not benefit from this blending, they will suffer from it. Water is a basic element that you can not live without. Both the title of this committee and PUC share a common letter "P". The "P" stands for public. Both this committee and the PUC's main duty is to serve the public and keep it safe. Last I checked, poisoning is not safe, no matter how "diluted" it is. SFPUC should leave the groundwater blending plan to water plants, not people, and for emergency earthquake use only. It is the right thing to do.

Thank you.

JOHN BARBEY
50 LIBERTY STREET
SAN FRANCISCO, CALIFORNIA 94110

May 24, 2017

To: Public Safety and Neighborhood Services Committee
San Francisco Board of Supervisors
City Hall
San Francisco, California 94102-4689
Re: Item 3. (170456) San Francisco Groundwater Supply Project

Dear Supervisors Ronen, Sheehy, Fewer, Yee, Safai and Farrell,

Pure freshwater supplies are an absolute human necessity. Here in San Francisco, this been at least, one thing we have not had to worry about for nearly a century – until now.

In November 2002 like the majority of San Franciscans, I voted for Prop. A, the vast **Water System Improvement Bond** that would repair our huge water system, and actually promised “water quality improvements.”

Now the opposite has occurred, **San Francisco Water** has begun adding lightly treated groundwater to our San Francisco tap water reservoirs, starting about a week ago. Comes as a shock because most of us had never heard of this proposal, after a “media outreach” from San Francisco Water that was not only well “under the radar,” but rather misleading. In the recent San Francisco Chronicle article announcing the change, **S.F Water** sets up a “taste test” of the “new blend” to see whether members of the public thought the water tasted any differently, and even dragged in the Chronicle Food Critic who pronounced the new blend even better tasting !! This is so insulting, as if the taste was our only concern, since notoriously, most chemical toxins in food and water **cannot be tasted**. You cannot taste the mercury in fish, and a glass pitcher of water with toxic amounts of lead will not only be crystal clear, but will actually taste better.

San Francisco has not tapped it’s groundwater reserves for more than 80 years, except for Park irrigation, so this is a very drastic change, yet the public has been kept in the dark. Why is no attempt being made to filter this new well water to the same purity as our other water sources ?

I am also particularly worried about the effect that lowering groundwater levels may have on trees in sidewalks, in our mid-block backyards, and in our Parks. **Golden Gate Park** in particular is very vulnerable as it is planted above a deep sub-strata of sand which wicks away moisture rapidly. Frederick Law Olmsted, the famous creator of New York’s Central Park was quite against making **Golden Gate Park** in San Francisco where it is for that precise reason.

My own street in the West Mission District is lined with huge trees a foot thick that have only been growing there for 50 years. We have always marveled at where they got their water, as it obviously wasn’t through the tiny tree-wells 2 feet square. In our backyards, and now along Valencia are similar huge trees giving us welcome shade and privacy.

Or is it actually proposed by **S.F. Water** and **SFPUC** that we allow our Urban Forest to perish to increase the human water supply ?

And there are many more questions which need to be asked about all this.

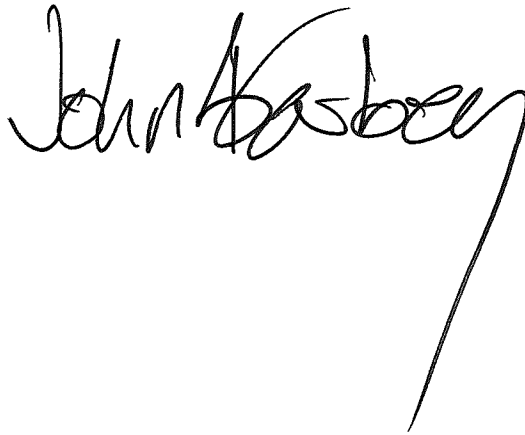
For example, if we drain our City reservoirs and the groundwater tables, how will this impact our preparedness for another major seismic event like 1906 ? Another concern very dear to my immediate neighborhood, a Historic District whose Northern Boundary is 20th Street where the Great Fire of the 1906 Disaster stopped.

Most of us who would be injured by increased levels of chemicals like nitrate, chromium6, etc. cannot afford expensive home filtration units which range in price from \$ 500 to \$ 15,000. Whatever gave SFPUC the idea that we'd be perfectly happy to stir a little toxic swill into our tap water here in San Francisco?

Please suspend this ill-advised "Blended Water" Project until we can get better answers from San Francisco Water.

Very Sincerely,

John Barbey

A handwritten signature in black ink that reads "John Barbey". The signature is written in a cursive style with a long, sweeping tail that extends downwards and to the right.

PUBLIC COMMENT: PSNS HEARING ON GROUNDWATER MIXING MAY 24, 2017

Good Morning Supervisors. Dr. Lisa Fromer, President, of the Liberty Hill Neighbors Association.

San Francisco adopted the Precautionary Principle in 2003.

It states that decisions related to human health and safety and the environment should acknowledge potential harm, based on the best available science. The burden of proof that substances or actions are safe rests with the producer or governmental agency, not the public.

It also says that "One of the goals of the Precautionary Principle is to include citizens as equal partners in decisions affecting their environment."

So on April 18th, when the SFPUC began to add lower quality and minimally treated groundwater to our drinking water, how were the SFPUC's action in keeping with the Precautionary Principle? And how were residents included as equal partners in this decision?

Valid questions have been raised about groundwater contaminants, such as nitrates and manganese. But this system of regulating contaminants in water from a constricted one-at-a-time vision ignores that these chemicals interact with one another in unpredictable or harmful ways, even at concentrations in the drinking water below the "legal limits" or MCLs

For example, the 10 ppm standard for nitrates does not reflect new knowledge about their conversion in our digestive tracts to carcinogenic N-nitrosamines.

It's the cumulative effect of exposures to both regulated and unregulated chemicals in our water, food and air that causes harm.

There are too many unanswered questions at this time to support adding groundwater to our Hetch Hetchy drinking water. The SFPUC should suspend its Groundwater Supply Project until further hearings with adequate public participation can determine that the project is in compliance with our Precautionary Principle.

170450



350 O'Shaughnessy Boulevard • San Francisco, California 94127
Telephone: (415) 281-0892

Miraloma Park Improvement Club

May 24, 2017

District 7 Supervisor Norman Yee
City Hall
1 Dr. Carlton B. Goodlett Place, Room 244
San Francisco, Ca 94102-4689

Dear Supervisor Yee,

I am writing on behalf of the MPIC, its 2,200 home constituency, and 400+ members to thank you for calling a hearing for public comment on the SFPUC's project to blend ground water into our high quality drinking water sourced primarily from Hetch Hetchy. I have yet to meet anyone in the Miraloma Park community that is in favor of making the sacrifice to blend groundwater into our drinking water.

The MPIC is very concerned about the water supply, a basic necessity for everyone. The public deserves a better understanding of why the SFPUC is making the shift to blended drinking water, and why now: **the burden of proof that this change is appropriate sits squarely on the SFPUC.** As expressed by our colleagues from the Coalition of San Francisco Neighborhoods and the West of Twin Peaks Central Council, residents have concerns about the negative impact of nitrates and other contaminants in our groundwater. San Francisco is fortunate in our high quality Hetch Hetchy drinking water straight from the tap. Clearly, despite expert opinions regarding safety, quality will be compromised under the new system.

We greatly appreciate SFPUC's efforts improve San Francisco's preparedness against catastrophic disruptions to our water supply—insurance that we hope we won't need to invoke. It reminds me of my NERT training. NERT taught me how to put out fires with a fire extinguisher, but I must have really good reasons before I use on my gas stove.

In short, we are at a loss to understand why disaster preparedness modifications to our water supply system—i.e. the blending of ground water with Hetch Hetchy—need to become a daily fact of life for San Franciscans. Without clear and convincing evidence that this sweeping change is imperative, we object to it.

Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read 'William Kan', is written over a horizontal line.

William Kan
President

170456

From: Board of Supervisors, (BOS)
Sent: Wednesday, May 24, 2017 10:46 AM
To: Major, Erica (BOS)
Subject: FW: Letter of Concern - SFPUC plan to blend groundwater with current water supply
Attachments: 20170524-SFPUC Letter Re_Blended Water.pdf

From: Miraloma Park Improvement Club [mailto:miralomapark@gmail.com]
Sent: Wednesday, May 24, 2017 10:42 AM
To: Peskin, Aaron (BOS) <aaron.peskin@sfgov.org>; Safai, Ahsha (BOS) <ahsha.safai@sfgov.org>; Kim, Jane (BOS) <jane.kim@sfgov.org>; Tang, Katy (BOS) <katy.tang@sfgov.org>; Cohen, Malia (BOS) <malia.cohen@sfgov.org>; Farrell, Mark (BOS) <mark.farrell@sfgov.org>; Yee, Norman (BOS) <norman.yee@sfgov.org>; Board of Supervisors, (BOS) <board.of.supervisors@sfgov.org>
Cc: Ronen, Hillary <hillary.ronen@sfgov.org>; Sheehy, Jeff (BOS) <jeff.sheehy@sfgov.org>; Fewer, Sandra (BOS) <sandra.fewer@SFGOV1.onmicrosoft.com>; BreedStaff, (BOS) <breedstaff@sfgov.org>; Low, Jen (BOS) <jen.low@sfgov.org>; Miraloma Park Improvement Club <miralomapark@gmail.com>
Subject: Letter of Concern - SFPUC plan to blend groundwater with current water supply

Dear Supervisor Yee,

I am writing on behalf of the MPIC, its 2,200 home constituency, and 400+ members to thank you for calling a hearing for public comment on the SFPUC's project to blend ground water into our high quality drinking water sourced primarily from Hetch Hetchy. I have yet to meet anyone in the Miraloma Park community that is in favor of making the sacrifice to blend groundwater into our drinking water.

The MPIC is very concerned about the water supply, a basic necessity for everyone. The public deserves a better understanding of why the SFPUC is making the shift to blended drinking water, and why now: **the burden of proof that this change is appropriate sits squarely on the SFPUC**. As expressed by our colleagues from the Coalition of San Francisco Neighborhoods and the West of Twin Peaks Central Council, residents have concerns about the negative impact of nitrates and other contaminants in our groundwater. San Francisco is fortunate in our high quality Hetch Hetchy drinking water straight from the tap. Clearly, despite expert opinions regarding safety, quality will be compromised under the new system.

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In short, we are at a loss to understand why disaster preparedness modifications to our water supply system—i.e. the blending of ground water with Hetch Hetchy—need to become a daily fact of life for San Franciscans. Without clear and convincing evidence that this sweeping change is imperative, we object to it.

Thank you for your consideration.

Sincerely,

William Kan

President

Miraloma Park Improvement Club

170456

From: mari eliza <mari.eliza@sbcglobal.net>
Sent: Tuesday, May 23, 2017 4:23 PM
To: Board of Supervisors, (BOS)
Cc: Peskin, Aaron (BOS); Cohen, Malia (BOS); Safai, Ahsha (BOS); Kim, Jane (BOS); Tang, Katy (BOS); Breed, London (BOS); Farrell, Mark (BOS); Yee, Norman (BOS); Fewer, Sandra (BOS); Sheehy, Jeff (BOS); Ronen, Hillary; Major, Erica (BOS)
Subject: Comments for Groundwater Hearing - Wednesday, May 24, 2017

May 24, 2017

To San Francisco District Supervisors:

re: PUC Report on Groundwater Hearing at The Board of Supervisors' Public Safety and Neighborhood Services Committee

We are concerned about the safety and the health of the citizens of San Francisco who may be effected by the adding of groundwater into Hetch Hetchy water for human consumption, referred to as "the blend". We assume that there will be a lot of discussion and concerns expressed on this issue where the health and well-fare of our citizens is concerned. We mention all citizens of San Francisco, because regardless of where we may reside or work, and spend most of our time, we all travel freely about the city and may at any time drink the blend without formal notice. "The Blend" effects us all equally as the claim that we have the best purest Hetch Hetchy water in our taps will no longer apply once there is a "blend."

I will leave it up to others to delve into the many reasons for concerns over the health implications for those with compromised immune systems and chemical sensitivities, and bring up related legal matters. For some time the City has been boasting about the purity of our Hetch Hetchy drinking water and creating tools to encourage the drinking of tap water by charging extra for bottled water and even making it difficult for people to obtain and travel with bottles in some areas or situations around our city parks and properties.

I am going to request a roll-back on those legal tools as the claims they were based on are no longer valid when we establish "The Blend". I refer to the "deposits" on bottles and other city-ordinances that no longer apply. You can't have it both ways. You can't force people to drink impure tap water or punish them with fees and fines for going back to bottled water. This could be especially important for health clinics and hospitals that will have to spend more on bottled water or risk feeding their patients a potentially unhealthy dose of pesticides and other chemicals that may make San Francisco hospitals and health clinics less popular without the pure Hetch Hetchy water.

Please re-consider the need to "Blend" during a record rainfall year. Also please reconsider the need to sell our water. As some have stated, or will I suspect, no matter how safe we think we are in setting our exposure limits today, in all likelihood those limits will be reset over time. We have no idea what the safe limits will be until we see some results.

Look at how the artificial turf argument has changed since the City sold it to the public. The state is now taking on studies of the product that was approved and passed the EIR standards we had in place. Now it appears the state will most likely require we remove the artificial turf and replace it with natural grass within a couple of years

Many people feel that the rush to "blend" is based on the rush to build. If this is so, what else must we compromise in order to become a "World Class" city that surpasses Manhattan or Hong Kong in size and density? Do we want to outgrow our water supply? How many people are too many for this land to support? Where are those limits going to be set and by whom? We will need a bigger landfill to handle all the empty water bottles that people will be drinking from soon. Where is the plan for that?

Sincerely,

Mari Eliza, Concerned Citizen

cc:

PUC - Harlan Kelly, Jr., General Manager, Public Utilities Commission - hkelly@sfgov.org
Erica Major, Assistant Clerk, Public Safety and Neighborhood Services - erica.major@sfgov.org
Juliet Ellis, Public Utilities Commission - jellis@sfgov.org

170456

From: Board of Supervisors, (BOS)
Sent: Tuesday, May 23, 2017 3:46 PM
To: apglikshtern@gmail.com
Cc: BOS-Supervisors; Major, Erica (BOS)
Subject: FW: Ground water should not not be mixed with our drinking water! File No. 170456

Hello,

Thank you for your letter, it has been sent to the Board Members. Looping in the Public Safety and Neighborhood Services Clerk to add to official file. It will also be added to the Petitions and Communications section of our June 6, 2017 Board Meeting agenda.

Regards,

Board of Supervisors
1 Dr. Carlton B. Goodlett Place, City Hall, Room 244
San Francisco, CA 94102-4689
Phone: (415) 554-7703 | Fax: (415) 554-5163
Board.of.supervisors@sfgov.org | 415-554-5184

From: Anastasia Glikshtern [mailto:apglikshtern@gmail.com]
Sent: Tuesday, May 23, 2017 3:21 PM
To: Board of Supervisors, (BOS) <board.of.supervisors@sfgov.org>; Safai, Ahsha (BOS) <ahsha.safai@sfgov.org>; Fewer, Sandra (BOS) <sandra.fewer@SFGOV1.onmicrosoft.com>; Ronen, Hillary <hillary.ronen@sfgov.org>
Subject: Ground water should not not be mixed with our drinking water!

Dear Commissioners,

I support the unanimously adopted resolution of the Coalition for San Francisco Neighborhood against the mixing of groundwater into our drinking water.

The system should be for emergencies only.

I had very bad testing water on-and-off and was assured by the Water Department that the mixing isn't happening yet - than discovered that the mixing actually started on April 18 to "test the system". More than that - the spigot of one well is turned on and the well is operating continuously drawing as much as 300,000 gallons per day!

Five of the six wells to be used in the project have detected concentrations of nitrates at 2/3 to 127% of the Maximum Contamination Level set by the US and CA EPA.

High levels of nitrate can cause methemoglobinemia in pregnant women and infants under the age of six months. Ingested nitrates interfere with the transportation of oxygen in the bloodstream to vital organs and can lead to a coma or death in infants. They aren't good for anybody

Think also about all other pesticides & fertilizers and fracking water going into the water table.

The "green" city of San Francisco itself constantly uses herbicides in "natural" areas for "native restorations" and on the stumps of the trees it chops down right & left.

The mixing should be for emergencies and severe drought only. Even in drought so many things can be done before adulterating Hetch Hetchy water with water which on itself is not safe to drink on continuous bases. For kids and people with compromised immunity it's not safe on any bases.

Sincerely,
Anastasia Glikshtern
Chaves Ave,
SF, CA 94127

170456

From: Board of Supervisors, (BOS)
Sent: Friday, May 19, 2017 8:18 AM
To: BOS-Supervisors; Major, Erica (BOS)
Subject: FW: attn: Erica Major, Assistant Clerk, Public Safety and Neighborhood Services

-----Original Message-----

From: Paula Kotakis [mailto:disi@igc.org]
Sent: Thursday, May 18, 2017 6:46 PM
To: Board of Supervisors, (BOS) <board.of.supervisors@sfgov.org>
Cc: Yee, Norman (BOS) <norman.yee@sfgov.org>; Sheehy, Jeff (BOS) <jeff.sheehy@sfgov.org>; Safai, Ahsha (BOS) <ahsha.safai@sfgov.org>; Farrell, Mark (BOS) <mark.farrell@sfgov.org>; Breed, London (BOS) <london.breed@sfgov.org>
Subject: attn: Erica Major, Assistant Clerk, Public Safety and Neighborhood Services

Re: File No. 170456

Hearing on the San Francisco Groundwater Supply Project, the safety of the drinking water, and testing standards; and requesting the San Francisco Public Utilities Commission to report. [sponsors: Norman Yee, Jeff Sheehy, Ahsha Safai, Mark Farrell]

I have an elaborate water filter system attached to my kitchen faucet, so have not noticed any change in the taste or smell of the water since groundwater blending started in my neighborhood (Cole Valley) mid-April. But my cats sure noticed the quality had changed!

I have two water bowls for the cats: one in a bedroom filled with water from the bathroom tap, and another in the living room filled with filtered kitchen tap water. They used to drink from the bedroom bowl the most but now won't touch it, starting mid-April. None of the cats will drink water that comes from the bathroom unfiltered tap anymore. They all come into the living room to use the bowl that is filled with filtered tap water.

So that's the only proof I need to ask the Supervisors to please force the PUC to stop adding groundwater to our SF water since it clearly (to my sensitive cats' noses anyway) has lowered the quality of our drinking water.

--Paula Kotakis, Cole Valley