

Max Overland

From: Kristine Knecht-Larribas (kristine_knecht@yahoo.com) Sent You a Personal Message
<kwautomail@phone2action.com>
Sent: Thursday, January 9, 2025 2:47 PM
To: Board of Directors
Subject: Please Vote NO on Delta Tunnel Funding
Categories: 1 Email Threads

*** This email originated from outside of Valley Water. Do not click links or open attachments unless you recognize the sender and know the content is safe. ***

Dear Valley Water Board of Directors,

Dear Chair Estremera and the Board of Directors,

I am writing to urge Valley Water not to allocate any additional funds to the proposed Delta Conveyance Project and vote no on Agenda Item 3.5.

The Delta tunnel project is a proposal to construct a single underground tunnel to divert millions of acre-feet of freshwater that would otherwise flow naturally through the Bay-Delta, diverting up to 6,000 cubic feet per second (cfs) from the Sacramento River without preserving sufficient flows for salmon species and Delta smelt.

For years, the Bay-Delta ecosystem has been severely depleted of its essential freshwater flows, causing the destruction of natural habitat for endemic species and worsening the livelihood of residents in Delta communities. This project will absolutely hasten the decline of the Delta.

Ratepayers will face increased water bills and property taxes, with no assurance of a sustainable water supply if Valley Water continues to spend millions of dollars - nearly \$650 million by the final construction vote - on this project! Remember that the board is ultimately accountable to their ratepayers who do not want their bills to rise amid an era of constant inflation and an affordability crisis.

The Delta tunnel project is an expensive and environmentally harmful project - failing to ensure new water resources in a time of climate change. Valley Water must prioritize limited public funds for projects that will deliver tangible improvements in water security and the overall health of the Delta.

I urge you to make a responsible and informed decision by rejecting this funding, and voting NO on Agenda Item 3.5.

Sincerely,

Sincerely,

Kristine Knecht-Larribas
536 Sugar Hill Way, Oakley CA 94561
Oakley, CA 94561
kristine_knecht@yahoo.com
(408) 881-2826

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at member.care@sierraclub.org or (415) 977-5673.

Max Overland

From: Jessica Ruppert (jazzdance@cutey.com) Sent You a Personal Message
<kwautomail@phone2action.com>
Sent: Thursday, January 9, 2025 2:39 PM
To: Board of Directors
Subject: Please Vote NO on Delta Tunnel Funding

Categories: 1 Email Threads

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Dear Valley Water Board of Directors,

Stop wasting our time. Stop wasting money. Stop destroying ecosystems and condemning creatures to extinction. How does it make any sense for a Bay Area water district to spend billions of dollars to send water AWAY? Your duty is to protect water here. The Delta isn't even in your jurisdiction! Valley Water's involvement and support for this brainless project makes no sense.

Dear Chair Estremera and the Board of Directors,

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I urge you to make a responsible and informed decision by rejecting this funding, and voting NO on Agenda Item 3.5.

Sincerely,

Sincerely,

Jessica Ruppert
1085 Tasman Drive
Sunnyvale, CA 94089

jazzdance@cutey.com
(408) 253-4780

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Max Overland

From: Patrick O'Neill (ptrck_oneill@yahoo.com) Sent You a Personal Message
<kwautomail@phone2action.com>
Sent: Thursday, January 9, 2025 1:20 AM
To: Board of Directors
Subject: Please Vote NO on Delta Tunnel Funding

Categories: 1 Email Threads

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I urge you to make a responsible and informed decision by rejecting this funding, and voting NO on Agenda Item 3.5.

Sincerely,

Sincerely,

Patrick O'Neill
PO Box 1473
Yucca Valley, CA 92286
ptrck_oneill@yahoo.com
(760) 829-2295

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at member.care@sierraclub.org or (415) 977-5673.

Max Overland

From: Kathy Monteleone (kathymonteleone1999@yahoo.com) Sent You a Personal Message
<kwautomail@phone2action.com>
Sent: Wednesday, January 8, 2025 8:03 PM
To: Board of Directors
Subject: Please Vote NO on Delta Tunnel Funding

Categories: 1 Email Threads

*** This email originated from outside of Valley Water. Do not click links or open attachments unless you recognize the sender and know the content is safe. ***

Dear Valley Water Board of Directors,

NO on Delta Tunnel Funding!!!!

Dear Chair Estremera and the Board of Directors,

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Sincerely,

Sincerely,

Kathy Monteleone
24136 Corte Valente
Murrieta, CA 92562
kathymonteleone1999@yahoo.com
(951) 970-8913

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Max Overland

From: Clerk of the Board
Sent: Wednesday, January 8, 2025 6:26 PM
To: Board of Directors
Subject: FW: Please Vote NO on Delta Tunnel Funding

Categories: 1 Email Threads

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

From: Ken Sanford (kenssailtime@gmail.com) Sent You a Personal Message
<kwautomail@phone2action.com>
Sent: Wednesday, January 8, 2025 6:20 PM
To: Clerk of the Board <clerkoftheboard@valleywater.org>
Subject: Please Vote NO on Delta Tunnel Funding

*** This email originated from outside of Valley Water. Do not click links or open attachments unless you recognize the sender and know the content is safe. ***

Dear Valley Water Board Clerk,

A concern of mine is the total cost of this project. Has MWD provided a solid estimate of the full cost of this project if it is ever started or worse yet-completed. Local water users are being asked to support the large growers and real estate industries that are looking to make great sums of money developing property that will add additional pollution and traffic too and overburned So. California. Please vote not to provide more money to this bad project.

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I urge you to make a responsible and informed decision by rejecting this funding, and voting NO on Agenda Item 3.5.

Sincerely,

Sincerely,

Ken Sanford
2180 Amanda Ln
Escondido, CA 92029
kenssailtime@gmail.com
(760) 522-5930

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I urge you to make a responsible and informed decision by rejecting this funding, and voting NO on Agenda Item 3.5.

Sincerely,

Sincerely,

Ken Sanford
2180 Amanda Ln

Escondido, CA 92029
kenssailtime@gmail.com
(760) 522-5930

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Max Overland

From: Masheika Allgood <founder@allai-us.com>
Sent: Monday, January 13, 2025 10:07 AM
To: Clerk of the Board
Subject: Public Comment 1/14 Meeting
Attachments: When will the taps run dry - SCV Water District.pdf

***** This email originated from outside of Valley Water. Do not click links or open attachments unless you recognize the sender and know the content is safe. *****

Hello,

I'd like to file the attached pdf as a public comment to agenda item 3.3.

[Masheika Allgood](#)

718 Old San Francisco Road

Sunnyvale, CA 94086

(669) 291-6143

AllAI Consulting, LLC | allai-us.com

Environmental Platform: [Taps run dry](#)

founder@allai-us.com





WHEN WILL THE TAPS RUN DRY?

**PUBLIC COMMENTS - VALLEY
WATER DISTRICT**

January 13, 2025



AGENDA



- 01 WHY WATER?**
- 02 DATA CENTERS AND DRINKING WATER**
- 03 ROLE OF GENERATIVE AI**
- 04 CURRENT CONSUMPTION RATES**
- 05 INNOVATION LANDSCAPE**
- 06 WHAT IS THE TIMEFRAME?**
- 07 KEY DECISIONMAKERS**
- 08 CALL TO ACTION**

WHEN WILL THE TAPS RUN DRY?

WHY WORRY ABOUT WATER?

Water scarcity is increasing across the world. The US is no exception. Virginia is sinking, along with most of the east coast, Arizona is requiring a 100 year water plan for new construction, states are implementing wastewater to tap water systems, and state v. state water battles are becoming more fierce (Alabama / Florida / Georgia, Mississippi / Tennessee, the West Coast: Colorado River, Ogallala Aquifer).

It is against this backdrop of a drying planet that we consider the question of Day Zero water scarcity in America.

WHEN WILL THE TAPS RUN DRY?



only in
SAN JOSÉ



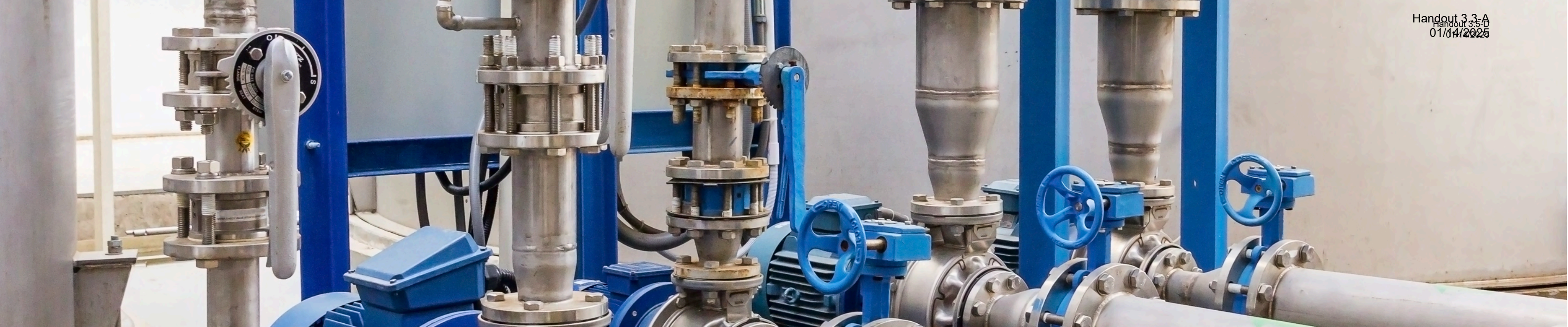


WHY DO DATA CENTERS USE DRINKING WATER?

Every generation of AI chip consumes more electricity and generates more heat than the previous generation. The chips must be kept cool to meet vendor performance expectations. The quality of the water used in these cooling methods can directly impact the lifespan of data center equipment, as poor quality water can increase corrosion, scaling, and microbiological growth. Which is why data center operators prefer to use drinking water for cooling.



WHEN WILL THE TAPS RUN DRY?



WHAT ROLE DOES GENERATIVE AI PLAY?

While governmental bodies typically look to water **withdrawal** for permitting, data centers are prolific consumers of water. **Energy of genAI v. regular AI.** The intense heat generated by generative AI systems has significantly increased the amount of water required for, and evaporated during cooling processes, which is supercharging data center water consumption. The evaporated water is not returned to the water source, and is removed from the water reuse cycle.

DATA CENTER WATER CONSUMPTION

Corporate-owned hyperscale data centers which currently account for 41% of worldwide data center capacity, with a projected increase to 60% in 2029. Half of those hyperscale data centers are located in the U.S. Colocation Providers (like Equinix) currently account for 22% of worldwide data center capacity. According to top companies' 2024 corporate reports, even the most efficient data center operators consume around 60% of the water they withdraw.

COMPANY	WUE	WITHDRAWAL	CONSUMPTION	%LOSS
<u>Microsoft</u>	<u>.01 - 1.63</u>	12,951 megaliters	7,844 megaliters	60%
<u>Google</u>	not reported	32,756 megaliters (converted)	24,044 megaliters (converted)	73%
<u>AWS</u>	.18	not reported	not reported	--
<u>Meta</u>	.18	5,274 megaliters	3,078 megaliters	58%
<u>Equinix</u>	1.63	5,970 megaliters	3,580 megaliters	60%

CAN'T WE JUST INNOVATE?

There are a variety of innovations that are targeted at addressing data center energy and water needs. They face major challenges.

Carbon v. water tradeoff

There is a lot of investment in traditional and small modular reactors to address carbon emissions, but nuclear power is water-intensive.

Backwards compatibility

While new AI data center construction will use low or no-water cooling processes, retrofitting data centers to use liquid cooling is complex and will be gradual and staggered, based on business needs.

Experimental/unproven at scale

Immersion and two-phase liquid cooling processes raise PFAS concerns. Underwater cooling raises environmental concerns. Virginia is expanding its recycled water systems efforts after successful trial. Water replenishment, while promising, has had limited impact (16% of consumption).

HOW MUCH TIME DO WE HAVE?

We know that innovations for sustainable data center power will take time to deploy at scale and companies are ramping up use of the most unsustainable energy sources to meet current needs. But do we know the state of our water? Do we have enough water in the aquifers to sustain communities until the low/no water data center innovations ramp up?

No one knows. At least, no one who can speak about it without violating an NDA. While California provides significant local groundwater data, and we have access to water use calculations, it is difficult to make aquifer level assessments without specific facility/aquifer data.



HOW CAN YOU HELP?

While the issues raised in this document are deeply concerning, they are not insurmountable. Santa Clara Valley Water District is well positioned to meet these challenges. We propose the following actions as a start:



Consumptive Over-Threshold Withdrawal Enforcement

Water Waste Enforcement is largely education focused. Fines are only enforced during mandatory use reduction periods. Given the potential for extreme over threshold withdrawal by data centers for consumption, not use, consideration should be given to possible new enforcement triggers and methods.



Transparency

The District has made great strides in making groundwater data accessible through the public through [California Water Watch](#). There is an opportunity for expert leadership within the local permitting and zoning processes. Assisting municipal leadership in better understanding the implications of construction decisions.



Special Meeting

The significant pressure data center put on our groundwater systems, coupled with our drying environment warrant deeper study. We ask that the District convene a special meeting with experts to ensure that Santa Clara remains at the forefront of water management in these perilous times.

CONTACT US

If you would like to provide information, participate in the conversation, or join our team of partners, please contact us via one of the options listed below.



Masheika Allgood

Founder, AIIAI Consulting, LLC
founder@allai-us.com
tapsrundry.com



Ellina Yen

Founder, CEO only in San Jose
onlyinsj@gmail.com



WHEN WILL THE TAPS RUN DRY?



only in
SAN JOSÉ

THANK YOU

January 13, 2025