

This webinar highlights issues and technology related to water availability, plus innovations in generating energy from water and wind.

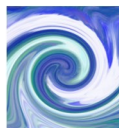


Where Has the Water Gone? What to Do Now.

Water collection and distribution worldwide is now based on assumptions that climate change has thrown out the window.

Dams aren't filling, river flow is down, and snow is not building up. Ironically, our planet's surface is 75% water and Earth's water quantity has not changed since the dinosaur age! The problem is not overall availability, but the need for clean, drinkable water in the right place, at the right time.

We need available, proven technologies to create potable water at scale, economically, to meet needs of our cities, farms and industry. We will highlight a highly innovative approach to fresh water production, technology to conserve water already in use, and new ways to make nearby dirty water safe to drink.



The Power of Water

Dams with generators are not the only way to produce significant amounts of energy from rivers and streams. New innovative underwater turbine generators can now make large amounts of energy from the natural flow of water.

Water can also meet a broad range of HVAC and industrial process needs when it is guided through state of the art solar thermal technology. This economical and environmentally friendly technology offers a new option to meet our heating and cooling needs in buildings.



Ways With Wind

New, small-scale wind turbines can work on buildings, homes and even in parks.

They provide a new option to help meet energy needs on a building-by-building and site-by-site basis.

The size of these turbines and the associated solar components make them highly compatible with the built environment.

A portion of this innovative product line presents these wind turbines as a kinetic work of art that will enhance any building and open space - combining utility with beauty or whimsey.

REGISTER NOW: (Save on Teams of 3 or more) E-MAIL: vann@wccc.org **PHONE:** (916) 599-8020 **MAIL:** Call or e-mail your RSVP - then mail form & list with check payable to **Western Council of Construction Consumers** 2356 Terraza Ribera, Carlsbad, CA 92009

▶ **WCCC MEMBER** Individual \$ 65 Team (3+) \$ 50 each ▶ **CURT MEMBER** Individual \$ 75 Team (3+) \$ 60 each
▶ **NON-MEMBER** Individual \$ 85 Team (3+) \$ 70 each # of Registrants _____ x Fee \$ _____ = Total \$ _____

***Add \$10 each after 11/10/21**

No-shows, & cancellations after **11/10/21**, are subject to full fee. You may send Subs.

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▶ **TEAMS: Attach List** (with all of this info for each registrant)

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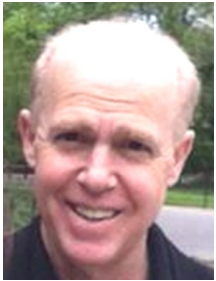
We will send a link for credit card payment. To what e-mail should we send the link? _____



Larry Eisenberg, Principal, Ovus Partners 360 - Overview of other emerging technologies. **Ovus Partners 360** designs and installs custom net-zero energy platforms for commercial real estate projects and retrofits, which enhances their value, and escalates savings over the years, while reducing the construction budget. Their approach is holistic, transformative, and carbon free with no out-of-pocket cost to clients. Through their cutting-edge processes, buildings produce as much energy as they use in one calendar year. Their goal is to perfectly blend profit motives with environmental consciousness.



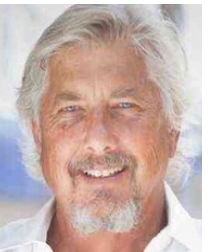
Trey Taylor, CEO, Verdant Technologies - underwater large-scale turbines that generate electricity. **Verdant Power** is the first and only ocean energy company with system performance third party validated to international standards. Its proven reliable and cost-efficient turbine system not only converts energy from ocean, tidal, and river currents into clean electricity, also for use in potable and irrigation water, battery charging, and green hydrogen production. Its system in New York City, during nine months of continuous operation, has generated the most tidal energy in U.S. history. The system demonstrated European Marine Energy Centre-documented total water-to-wire efficiency of over 50% and availability of over 99%. It met all the requirements for commercial operations and achieved operating cost targets. Verdant Power is accelerating expansion into large developments, and helps build sustainable communities, worldwide.



Glen Finkel, CEO, AquOm Water - new technology for desalination & dirty water clean-up. recent breakthroughs in biomimetic technology for agriculture and aquaculture, including soil amendments that promote plant root growth and H₂O, N, and P retention, and feed supplements that promote animal health and productivity. **AquOm Water** LLC is commercializing proprietary, nature-based products and solutions that clean foul water and create long-lasting and sustainable benefits for natural water body management, irrigation, and wastewater treatment. It manufactures and sells all-natural, non-toxic OMRI listed products that cost effectively replace chemical-based coagulants, flocculants, and herbicides.



Karen O'Brien, Senior VP of Marketing and Co-Founder, Artic Solar
Solar Thermal technology uses enclosed piping and rooftop reflectors to capture the energy of the sun and produce very hot water that can be used for numerous applications from driving building HVAC to supporting industrial processes. The presentation will examine solar thermal technology and illustrate how Artic Solar has developed numerous projects that draw on the benefits of this approach.



Ned McMahon, Founder and CEO, Primo Energy
Primo Energy has developed highly innovative wind turbine and solar technology that focuses on individual building and site needs by being able to capture the energy available on the building rooftop and in nearby open spaces. Primo Energy systems are smaller in scale but represent an ability to help buildings and site energy needs meet a net zero energy goal by capturing energy that other larger technologies can not address.