

# Menachem Tabanpour

V.P. of Business Development

CalPrex Expert



High levels of orthophosphates at many wastewater treatment plants cause operational challenges that increase costs and decrease operational efficiencies. These include struvite issues in the methane digester, increased polymer consumption during dewatering, reduced dewaterability of the plant's sludge and challenges meeting NPDES permits.

Phosphorus removal and recovery is one of, if not the, hottest topics in the wastewater biosolids industry today. Tightening regulations for both land application and sale of biosolids have water reclamation professionals eager to evaluate technologies. They need to remove nuisance phosphorus from biosolids in a cost-effective and sustainable manner.

Turn to Menachem Tabanpour, VP of Business Development, who has over 15 years of experience with wastewater resource recovery.

## Biography

Tabanpour joined CNP as the VP of business development through a partnership with Nutrient Recovery and Upcycling (NRU). The partnership was created to commercialize the CalPrex™ high-efficiency pre-digestion phosphorus recovery. Tabanpour's nutrient recovery technology experience and knowledge dates back to 2002, when he began research on controlled struvite crystallization at the University of Wisconsin-Madison. Since then, he worked on numerous projects related to nutrient upcycling and leads the development of phosphorus and nitrogen recovery technologies at CNP.

For over five years, Tabanpour led the development of CalPrex with the goal of bringing a novel and economically sustainable technology to market. CalPrex is a technology that benefits wastewater treatment facilities, farmers and the environment.

## Providing Thought Leadership On:

- Phosphorus recovery and nutrient re-use
- Design-build cost-effective and environmentally responsible solutions for phosphorus
- Integrating nutrient recovery into existing facilities
- Resource upcycling
- Sustainable nutrient management

## Affiliations

- 2019 Salvation Army Other's Award Recipient for "Resources Supporting Others"
- 2018-19 CalPrex Tailored Collaborative Research (TCR) with The Water Research Foundation (WRF)

## Affiliations

- Nutrient Recovery and Upcycling (NRU) President and Co-Founder
- Water Environment Federation (WEF)
- The Water Research Foundation (WRF)
- Leaders Innovation Forum for Technology (LIFT)
- Central States Water Environment Association (CSWEA)
- Mid-Atlantic Biosolids Association (MABA)

## Corporate

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