



LOS ANGELES AREA
CHAMBER OF COMMERCE



ENERGY, WATER & ENVIRONMENTAL SUSTAINABILITY

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ENERGY, WATER & ENVIRONMENTAL SUSTAINABILITY COUNCIL

October 3, 2019

10AM-11:30AM

1. WELCOME & SELF-INTRODUCTIONS

2. PRESENTATIONS

MWD's Regional Recycled Water Program

- Bruce Chalmers
Program Manager, Regional Recycled Water, Metropolitan Water District of Southern California

Recycled Water in Los Angeles: Hyperion Water Reclamation Plant

- Chris Repp
Water Rights and Resources Management Supervisor, Los Angeles Department of Water and Power
- Hubertus (Huub) Cox
Division Manager, Water Recycling Implementation Division at Hyperion Water Reclamation Plant, Los Angeles Sanitation and Environment

3. UPDATES

- State legislative items

4. UPCOMING EVENTS

- Joint Innovation & Technology and Government & Fiscal Affairs Council (10/15)
- Beyond the Diploma (10/18-10/19)
- Land Use, Construction & Housing Council (10/23)
- Accenture's Pancakes & Politics (10/25)
- Transportation & Goods Movement Council (11/5)
- State of Infrastructure (11/6)



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Bruce Chalmers

Program Manager, Regional Recycled Water Project
Metropolitan Water District of Southern California

Mr. Chalmers has 39 years of design and managerial experience in the fields of water and wastewater engineering. He has been involved in projects encompassing the planning, design, and construction management of water storage and distribution facilities, sewage collection systems, sewage lift stations, water booster stations, chemical systems, and water and wastewater treatment plants.

Mr. Chalmers is the Program Manager for the Metropolitan Water District's Regional Recycled Water Program. Mr. Chalmers has extensive large project experience managing multiple firm project teams. Mr. Chalmers has been responsible for the numerous water and sewer projects, including four recycled water plants, including the 70-million-gallons-per-day (mgd) Groundwater Replenishment System (GWRS) for the Orange County Water District, currently the largest Indirect Potable Water recycled water project in the world.

Mr. Chalmers has a BS from UCLA and a master's degree from Cal State Long Beach. He is a professional engineer in California, Florida and Nevada.

Chris Repp

Water Rights and Resource Management Supervisor
Los Angeles Department of Water & Power

Chris Repp holds a Chemical Engineering Bachelors with a Masters in Civil Engineering. Mr. Repp is a registered Civil Engineer with 14 years of engineering experience, having sought employment with the City of Los Angeles, in the Bureau of Sanitation, Engineering, and now, LADWP. His expertise lies mainly in Water Resources over the past decade. More recently his focus is in on Groundwater Rights and Development. He is leading the LADWP's Groundwater Development and Augmentation Plan and represents the Department on LADWP/WRD's Joint Master Planning effort, routinely engaging in strategic planning, inter-agency coordination, and groundwater project development.



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Hubertus (Huub) Cox

Division Manager

LA Sanitation and Environment's Water Recycling Implementation Division

- Appointed in July 2019 as the manager of newly created Water Recycling Implementation Division in LA Sanitation & Environment to meet the City of Los Angeles' goal of 100% recycled by 2035. Major projects currently underway are the Hyperion Advanced Water Purification Facility with a capacity of 1.5 mgd, and the upcoming MBR pilot study.
- Began his career in LA Sanitation & Environment in 2002 as an engineering associate at the Hyperion Water Reclamation Plant, working on air pollution control and the conversion of mesophilic digesters to thermophilic operation for the production of Class A Exceptional Quality biosolids.
- Worked in the City's Watershed Protection Program from 2007 to 2019, the last five years as the assistant division manager coordinating the development and implementation of the Enhanced Watershed Management Programs for the City's compliance with the MS4 Permit and TMDL water quality regulations.
- Is Project Manager of the Ballona Creek Bacteria TMDL Project, which will be the largest facility in the region for diverting dry weather runoff to the Hyperion Water Reclamation Plant with a design capacity of 29 million gallons per day.
- Holds a PhD in Chemical and Environment Engineering, obtained in the Netherlands in 1995.
- Chemical Engineer licensed in California.
- Over 70 publications in peer-reviewed journals and national/international conferences.