

In This Issue

- New Reports Provide Guidance on Chemical Contaminants, EDCs and Pharmaceuticals
- Foundation Seeks Research Ideas for Funding Consideration
- Foundation Seeks Proposals for Research on Climate Change, Energy Demand
- Annual Research Conference to be Held in Huntington Beach, CA
- Board Elects New Officers
- New Members Appointed to Research Advisory Committee
- New RFPs to be Released
- Foundation Welcomes New Subscribers

Research Online

Research Reports

Current Projects

WaterReuse Foundation

The mission of the WaterReuse Foundation is to conduct and promote applied research on the reclamation, recycling, reuse, and desalination of water.

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New Reports Provide Guidance on Chemical Contaminants, EDCs and Pharmaceuticals

The Foundation recently released a new report titled *Development of Indicators and Surrogates for Chemical Contaminant Removal during Wastewater Treatment and Reclamation*. This study provides guidance to the water reuse industry on how to assure proper removal of wastewater-derived chemical contaminants in indirect potable reuse applications using a combination of tailored surrogate parameters and a select list of indicator compounds.

Since it is impossible to measure all chemicals present in recycled water, the approach developed in this study uses a combination of surrogate parameters that are easy to measure and can serve as performance measures of a treatment process. The underlying concept is that absence or removal of an indicator compound during a treatment process would also assure absence or removal of unidentified compounds with similar properties.

For more information about the *Indicators and Surrogates* report, [click here](#).

The Water Research Foundation (formerly known as the Awwa Research Foundation) recently released a report cosponsored by the WaterReuse Foundation and California Urban Water Agencies titled *Toxicological Relevance of EDCs and Pharmaceuticals in Drinking Water*. This study includes an extensive literature review on the known toxicity of EDCs and pharmaceuticals, including naturally occurring EDCs and pharmaceutically active compounds. The report analyzes various raw and finished drinking waters for a suite of EDCs and pharmaceuticals, and screens various bottled waters, beverages, and food products. The report provides risk assessments for chemicals of interest based on the findings.

For more information about the *Toxicological Relevance* report, [click here](#).

Foundation Seeks Research Ideas for Funding Consideration

The Foundation is seeking preproposals for funding consideration under its 2009 Unsolicited Research Program. The Unsolicited Research Program awards funding to researchers who propose projects designed to meet the future needs of the water reuse and desalination community. Funded projects typically address emerging issues and involve original concepts, novel techniques, and other scientific research needs. The Foundation will request full proposals for the projects with the greatest innovative potential. Preproposals are due by March 3, 2009.

To view the Call for Preproposals, [click here](#).

Foundation Seeks Proposals for Research on Climate Change, Energy Demands

The Foundation recently released two new Requests for Proposals (RFPs) for research projects under the solicited research program.

Evaluating Long and Short Term Planning under Climate Change Scenarios to Better Assess the Role Of Water Reuse (WRF-08-15)

The objective of this study is to better understand the role of water reclamation and reuse in a changing climate. Insight is to be gathered from sources such as historical weather patterns, accepted climate change model predictions over the next 50 years, existing water utility long term plans for accommodating population or demand change and emergency response plans for local catastrophic events.

Implications of Future Water Supply Sources on Energy Demands (WRF-08-16)

The objective of this study is to quantify the impacts of future water supply portfolio changes on the energy demand. The proposed work will address the impacts of increasing population and water conservation measures on water demand by 2030. Climate change impacts, development of new water supply sources, increased treatment of emerging contaminants, penetration of energy intensive treatment technologies, and potential shifting of agricultural water to the urban sector along with energy efficiency, renewable energy, and green-house gas reduction policies and targets will be considered in the energy demand analysis.

Proposals for both projects are due February 26, 2009.

To view the RFPs, [click here](#).

Annual Research Conference to be Held in Huntington Beach, CA

The 13th Annual Water Reuse & Desalination Research Conference will be held May 18-19 at the Hilton Waterfront Beach Resort in Huntington Beach, CA. The conference will showcase results from "cutting edge" research related to water reuse and desalination. The Foundation's Research Conference provides an opportunity for water managers to hear and see presentations on the latest results of ongoing research, network with colleagues, and discuss current and future research needs and trends.

The conference program will be posted on the website in the coming weeks. For more information, [click here](#).

Board Elects New Officers

The WaterReuse Foundation elected new officers during a meeting of the [Board of Directors](#) held in Long Beach, CA on November 19. David Moore, Executive Director of the Southwest Florida Water Management District, was elected the new President of the Foundation. Moore replaces Ron Young, General Manager of the Elsinore Valley Water District (CA), who now becomes Immediate Past President. Joe Jacangelo of MWH was elected Vice President and Tom Minwegen of the Las Vegas Valley Water District was reelected Secretary/Treasurer. The Board of Directors develops policy for the Foundation, approves the research agenda, and provides guidance to committees and staff.

New Members Appointed to Research Advisory Committee

The Foundation's Board of Directors appointed seven new members to the Research Advisory Committee (RAC) during its November 19 meeting in Long Beach, CA. The RAC provides scientific and technical guidance for the Foundation's research program. The RAC also recommends a slate of projects for funding based on the Foundation's research agenda, Board input, and the research interests of Subscribers and funding partners.

The new members of the RAC are as follows:

- David A. Balgobin, State Water Resources Control Board (Sacramento, CA);
- David Bracciano, Tampa Bay Water (Clearwater, FL);
- Patrick Brady, Sandia National Laboratories (Albuquerque, NM);
- Philippe Gislette, SUEZ Environnement (Le Pecq, France);
- Adam Lovell, Water Services Association of Australia (Sydney, Australia);
- Harry Seah, Singapore Public Utilities Board (Republic of Singapore); and
- Paul Westerhoff, Arizona State University (Tempe, AZ).

New RFPs to be Released

The Foundation will release several new Requests for Proposals (RFPs) in early 2009 under the Solicited Research Program. The upcoming RFPs are as follows:

- Investigation of Social, Environmental, Natural and Other Informational Factors that Influence Judgments and Decisions about Water Reuse (WRF-08-03)
- Use of Ozone in Water Reclamation for Contaminant Oxidation (WRF-08-05)
- Evaluation of Alternatives to Domestic Ion Exchange Water Softeners (WRF-08-06)
- Disinfection Guidelines for Satellite Water Recycling Facilities (WRF-08-07)
- Water Reuse Requirements for Energy and Biofuels Production (WRF-08-12)
- Guidelines for Implementing Renewable Energy, Peak Power Management, and Optimization of Advanced Treatment Technologies to Reduce Greenhouse Gases at Water Reuse and Desalination Membrane Treatment Plants (WRF-08-13)
- Evaluation and Optimization of Existing and Emerging Energy Recovery Devices for Desalination and Wastewater Membrane Treatment Plants (WRF-08-14)

These RFPs will be posted on the Foundation's website when they are released. For more information about these projects, [click here](#).

Foundation Welcomes New Subscribers

The Foundation welcomes the following new Subscribers:

[ECO:LOGIC Engineering](#)

[Magna Water Company](#)

[St. Johns River Water Management District](#)

[Stratus Consulting](#)

[Tarrant Regional Water District](#)

Foundation Subscribers are a group of forward-looking organizations and individuals who help shape the Foundation's research agenda. The support of Subscribers is an integral component of the Foundation's ability to attract top-notch researchers and leverage its intellectual and financial resources around the world.