



NWRI

National
Water
Research
Institute

*Enhancing water supplies
and water quality
through scientific research
and policy development*

Reverse osmosis membranes, part of the treatment train of the Groundwater Replenishment System, a joint water reuse project of the Orange County Water District and Orange County Sanitation District.

NWRI is one of the most forward-thinking, collaborative, and utility-driven research organizations in the water industry, promoting innovation and practical solutions to water supply and resource challenges.

The Los Angeles Department of Water and Power and the Los Angeles Bureau of Sanitation used effluent from the Donald C. Tillman Water Reclamation Plant for a groundwater replenishment advanced treatment pilot study.

Working

for the

Water Industry

NWRI was established as a 501c3 nonprofit by water, wastewater, and recycled water agencies for the purpose of collaborating on research projects and activities that produce beneficial change and improved policy decisions.

To do so, NWRI is committed to:

- Investing in critical-needs research and public policy development.
- Building strategic partnerships to maximize resources and address industry needs.
- Promoting industry innovation in research, technology, and management.
- Serving as an independent industry expert in science, technology, and public policy.



How NWRI Stands Out

- Access to the scientific and technical expertise of world-renown, industry-leading academics, practitioners, consultants, and decision makers.
- Practical, expert-driven research, which allows for global collaborative partnerships and relationships.
- Quality-driven publications and conferences that enhance our brand as a trusted industry leader in scientific and technical information.
- Forward-thinking and problem-solving focus, which enables us to support, promote, and enhance leading-edge research and policy decisions.



Water recycling is essential to the Irvine Ranch Water District water supply portfolio, providing 21 percent of water supply demands. Recycled water increases water supply reliability by extending potable supplies, and increases environmental sustainability by reducing the need to build additional potable water facilities and reducing wastewater discharged to the ocean. IRWD is expanding the Michelson Water Recycling Plant to increase capacity from 18 to 28 million gallons per day.



Supported

by the

Water Industry

NWRI Member Agencies

- Inland Empire Utilities Agency
- Irvine Ranch Water District
- Los Angeles Department of Water and Power
- Orange County Sanitation District
- Orange County Water District
- West Basin Municipal Water District

What makes NWRI unique among research organizations is our ability to bring together the expertise of our member agencies to address water supply and resource challenges in a collaborative and cost-effective manner.

Our member agencies provide us with funding and offer invaluable experience, insight, and knowledge of the practical, day-to-day needs and challenges affecting utilities.

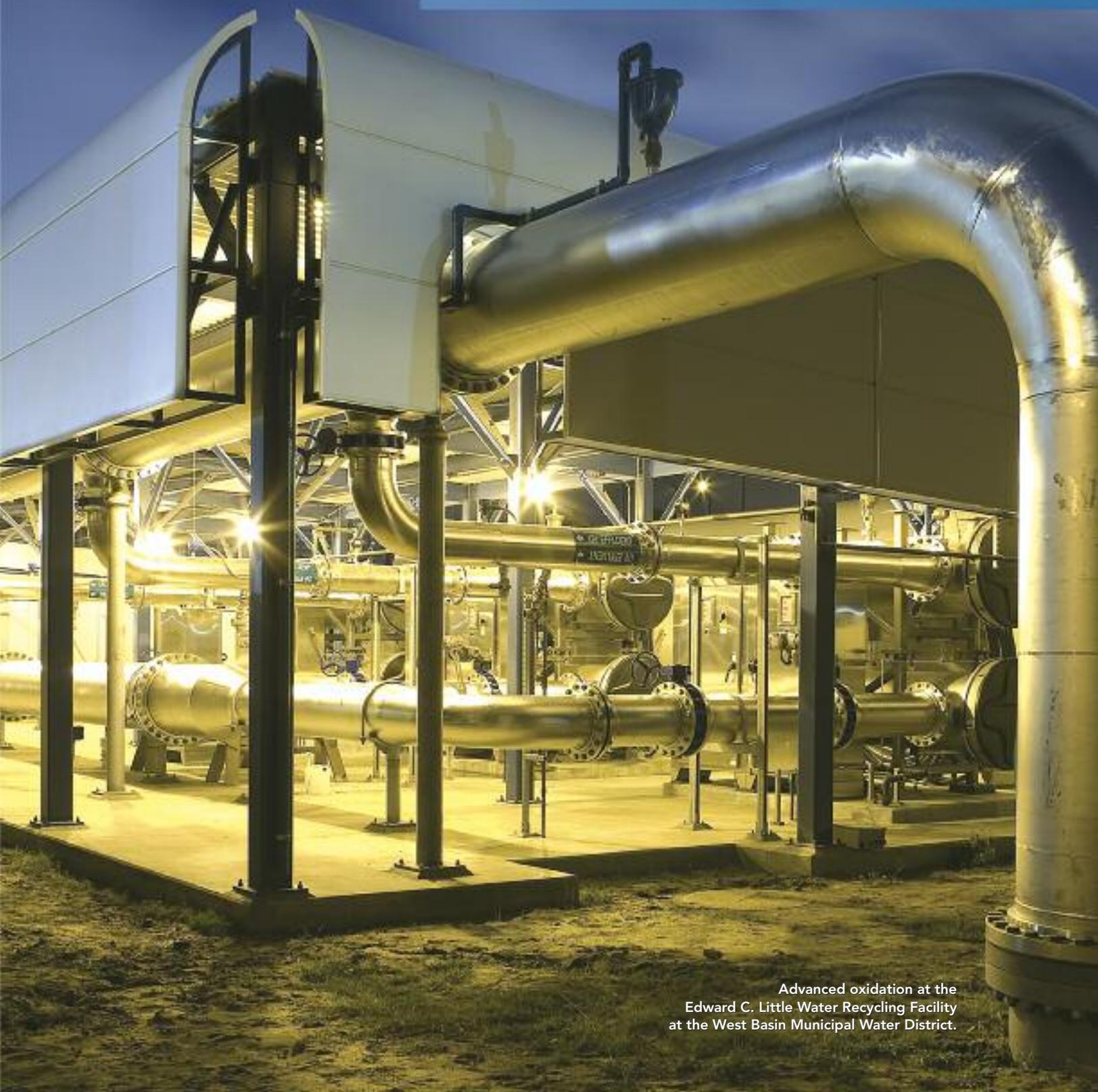
This direction and synergy is unmatched in the water research community and provides the framework for our groundbreaking research and outreach activities.

To achieve energy independence by the year 2020, the Inland Empire Utilities Agency is implementing energy-efficiency improvements and increased onsite renewable energy generation, including solar, wind, and fuel cells.

NWRI's collaborative approach and focus on specific agency needs allows us to develop knowledge that is practical and readily usable.



NWRI's areas of focus are based on agency needs and include recycled water, treatment technologies, water and energy efficiency, sustainability, desalination, and others.



Advanced oxidation at the Edward C. Little Water Recycling Facility at the West Basin Municipal Water District.

This trickling filter at the Orange County Sanitation District is used as part of the treatment process to remove organic matter from wastewater.

Leveraging member agency funding with funding from other partners allows NWRI to use resources efficiently and invest in high-quality research and activities.

Services

offered to the

Water Industry

NWRI Research Program – Identify, coordinate, and fund applied and leading edge research projects to solve high priority problems.

NWRI Fellowship Program – Award fellowships to graduate students conducting research in water science and policy.

NWRI Publications – Provide accessible information that promotes new ideas and addresses industry needs.

NWRI Independent Advisory Panels – Provide credible, objective review of water industry projects to help develop appropriate investment and public policy decisions.

NWRI Conferences and Workshops – Provide training and information to address relevant issues in the water industry.

NWRI Meeting Facilitation – Facilitate 1 day or half day meetings for our member agencies, stakeholders, and others.

NWRI Program Management – Administer long-term programs on behalf of other agencies.

NWRI Grant Writing and Support – Assist in the development of grant proposals.

NWRI Athalie Richardson Irvine Clarke Prize – Recognize research accomplishments that solve real world water problems.

NWRI's ability to access expertise and quickly disseminate information helps promote timely results and innovation.



City of Los Angeles Groundwater Replenishment Project Panel



James Irvine Swinden presenting the 2011 Clarke Prize to Mark Wiesner of Duke University.

NWRI Member Agencies



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