



Wastewater
Treatment



Recycled
Water



Energy
Production



Biosolids
Reuse



TRANSFORMING
WASTEWATER
TO RESOURCES



Approving and Adopting Updated Recycled Water Standards

Special Board of Directors Meeting
September 23, 2026

Recycled Water Program Overview



- **2001:** District's Recycled Water Facility (RWF) placed into service
 - 50-55% of influent wastewater is recycled
 - 93-98% for industrial use at Calpine cooling towers (Los Medanos Energy Center [LMEC] and Delta Energy Center [DEC])
 - 2-7% for irrigation customers (golf course, parks, schools, etc.)
- **2011:** Developed Recycled Water Program Guidelines to establish a framework for future recycled water system expansion
- **2014:** Adopted Recycled Water Standards to define requirements for planning, design, and construction of recycled water facilities

 **13** million gallons of wastewater treated each day

 **6.0** million gallons of recycled water produced each day

 **50%** of plant power needs met via on-site renewable energy production

 **35** tons of biosolids produced each day
100% beneficial use of biosolids

Recycled Water Standards Purpose

- Establish District as recognized recycled water purveyor per agreement with CCWD
- Provide clear guidance to current and future users regarding recycled water requirements
- Consolidate District application, design, permitting, and construction requirements
- Protect the District from potential operational, regulatory, and liability risks associated recycled water production and conveyance
- Strengthen compliance, oversight, and enforcement of recycled water requirements



Recycled Water Standards Development

- Reviewed recycled water standards, regulations, and best practices from well-established recycled water programs
- Collaborated with consultant to develop draft standards, specifications, and details for District staff review
- Incorporated lessons learned from previous District recycled water projects to improve and standardize
- Integrated staff input and technical recommendations into the updated Recycled Water Standards

RECYCLED WATER STANDARD PROCEDURES, SPECIFICATIONS, AND DRAWINGS

Design and Construction
of
Recycled Water Facilities

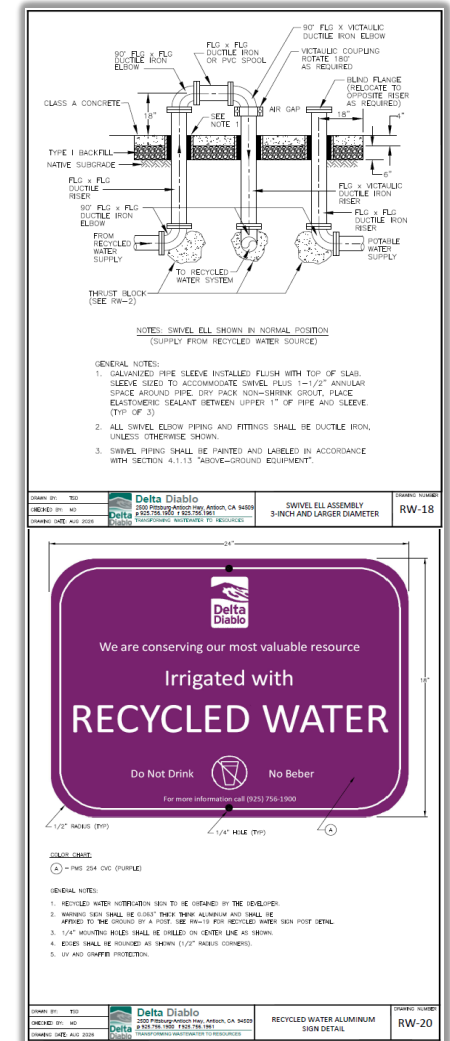


September 2026

Recycled Water Standards

Key Elements

- Define the roles and responsibilities of the District, customers, developers, designers, and contractors
- Set operational design criteria for District-owned distribution system and user-owned irrigation systems
- Specify construction materials that can be installed
- Implement construction inspection and project management requirements
- Establish project construction acceptance testing and ongoing operational testing
- Update standard details to improve clarity, consistency, and constructability



Recommended Action

- Adopt resolution approving and adopting updated Recycled Water Standard Procedures, Specifications, and Drawings

