



WATER MATTERS

inside this issue



Cell 2 of Tucson Water's largest reservoir is getting a high-tech rehab. Get an inside perspective on the Clearwell Reservoir work from Tucson Water Project Manager Dorothy Dolan.

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WORKING WITH WATER



Schedule an interview with **Dorothy Dolan, Tucson Water's Clearwell Reservoir Rehabilitation Project Manager** and you get her team too: Tucson Water construction inspector Rocky Milton; HDR, Inc. design and project engineer Erin Lansey; and PCL Construction project superintendent John Arenz. Amid laughter and quick responses, Dolan and team offer up project facts about Clearwell, one of the Utility's key system investments:

- 1** Clearwell Reservoir is Tucson Water's biggest reservoir, holding 60 million gallons of water.
- 2** Wow: 19.5 billion gallons of water a year go through Clearwell Reservoir to the distribution system and 700,000+ customers.
- 3** The covered Reservoir is built into a canyon with an irregular shape. The highest point inside is 50 feet.
- 4** It's divided into two large cells. Cell 1 rehab is complete. Now we're working on Cell 2.
- 5** Smart scheduling: We rehab one cell at a time and do project work from October to May, when water demands are the lowest and customers aren't impacted.
- 6** From City of Tucson employees to Tucson Water professionals, trades people and contractors, as many as 170 people are working on Cell 2 – the same key members worked on the rehab of Cell 1.
- 7** Clearwell is 27 years old. Over time, even with repairs, any reservoir liner and structures age and deteriorate. Rehabilitating adds another 20 to 30 years of life to Clearwell.
- 8** Rehab of Cell 2 includes replacing the reservoir roof, updating supporting structures, adding a synthetic rubber liner, cleaning up, disinfecting, filling with water and conducting water quality and leakage tests. We also have crews doing preventive maintenance on valves, meters and electrical.

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CALL

Public Information
English & Español:
(520) 791-4331

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[tucsonaz.gov/
water](http://tucsonaz.gov/water)

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TDD

(520) 791-2639

WATCH



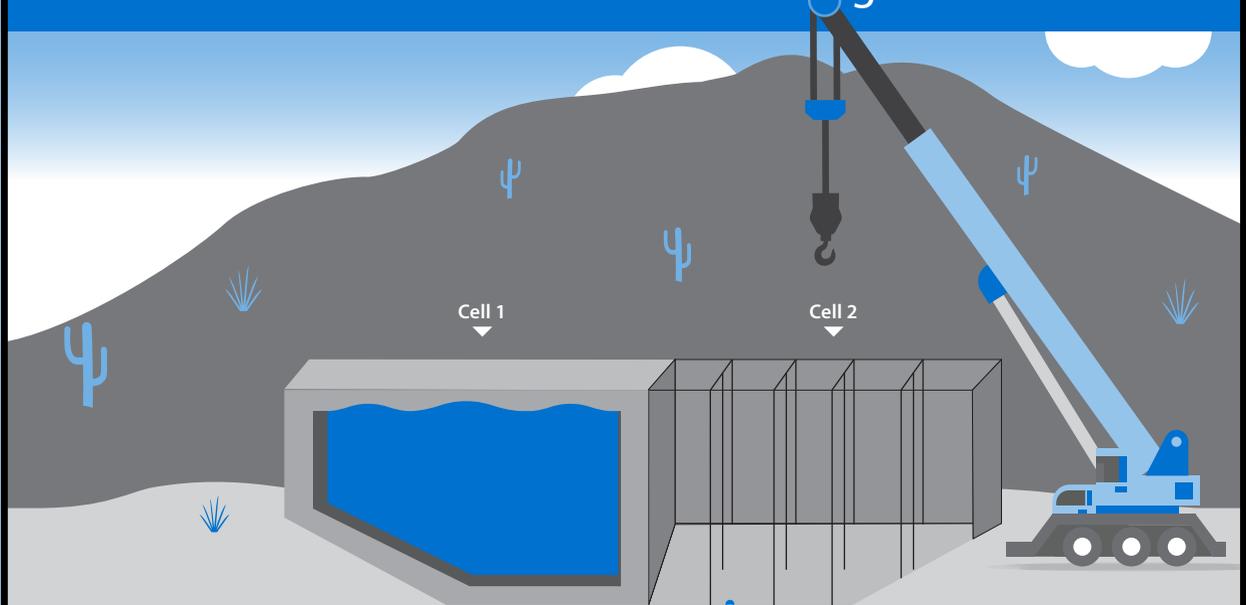
9 Unique challenges during Cell 2 rehab include working in tight quarters and with high elevations. It means constant communication and collaboration among the crew.

10 It'll take 36 months to complete total rehab of Cells 1 and 2 of Clearwell. Cell 2 is projected to be complete May 2018.

11 Project success is defined as safety for all, high quality of work, meeting milestones, having Cell 2 back in service and no leaks.

CLEARWELL RESERVOIR IS A BIG DEAL

Rehabilitation of Tucson Water's Largest Reservoir



- Cell 1 done
- Cell 2 under rehab
- 170 workers
- @\$14.2M in capital cost
- May 2018 target completion
- Work when water use low

- Update reservoir roof
- Reinforce stability
- Add synthetic rubber liner
- Improve & maintain valves
- Check electrical systems
- Update security systems

How can I help prevent pipes from freezing?

“Temperatures are dropping, especially overnight. Frozen water can expand and rupture pipes causing water loss, damage and costly repairs.



*Frank Bencomo, Zanjero
Tucson Water
Conservation Expert*

Here are some tips to help prevent pipes from freezing:

- Use foam or wrap insulation to protect exposed plumbing, water pipes and backflow assemblies. (Use towels, newspaper and blankets as temporary insulation.)
- Winterize evaporative coolers and irrigation systems.
- If you need help turning off a water meter valve, call Tucson Water Customer Service at (520) 791-3242, Monday-Friday, 8 a.m. to 5 p.m. For afterhours, weekend, and holiday emergency service call (520) 791-4133. ”

Water Winter Prep Info

tucsonaz.gov/water/winter-prep

Freeze prevention videos in English and Spanish, tips on thawing plumbing safely, plus links to current weather conditions and forecasts

CITY OF TUCSON ENVIRONMENTAL SERVICES

Download ► Know More ► Do More

The **My Waste** app is free, easy and offers trash and recycling info 24/7. Download **My Waste** at www.my-waste.mobi/AZ-Tucson to

- Access your Brush & Bulky schedule
- See holiday collection dates



- Create collection day reminders
- Order a replacement container
- Report a problem
- Learn transfer station locations, hours, and fees
- Find out what you can and can't recycle in a Blue Bin

No more waiting for answers with **My Waste**.

PIMA COUNTY WASTEWATER RECLAMATION

13th Annual Grease Collection and Recycling Event

Saturday, January 6, 2018, 9 a.m. - 1 p.m.

Pouring grease down your drain can clog sewer lines. Save your used cooking oil or grease and bring it to one of these grease collection sites:

East	O'Reilly Chevrolet	6160 E. Broadway Boulevard
Midtown	City Council Ward 3 Office	1510 E. Grant Road
Northwest	Pima Community College (Northwest Campus)	7600 N. Shannon Rd.
South	Kino Sports Complex	2500 E. Ajo Way
Sahuarita	Sahuarita Town Hall Complex	375 W. Sahuarita Center Way

The collected grease will be recycled into biodiesel, a cleaner burning fuel.

For more information visit: www.pima.gov/grease Like us on Facebook!



PIMA COUNTY

WASTEWATER RECLAMATION

Your utilities services statement includes fees for your water, environmental services, and wastewater.

Environmental Services (ES) (520) 791-3171 or visit tucsonaz.gov/environmental-services

Pima County Regional Wastewater Reclamation Department (PCRWRD) (520) 724-6609 or visit pima.gov/wastewaterreclamation