



November 2022 Update



RECRUITMENTS

Shannon Jones has been named the new Division Director, selected following a long recruitment process. His post will begin in early February. Welcome, Shannon!



RETIREMENTS



Water Services bid a fond farewell to Steve Camp, Regulatory Compliance Manager, who retired on November 3 after seven years with the City and 30 years in the state retirement system. Steve brought his skills at a time the City needed him and worked hard to develop the program based in high quality standards we know today. Steve's humor and car talk in the halls will be missed. You'll probably still spot him on the roads of Phoenix and Flagstaff. Thanks, Steve. And a Happy Retirement!

WATER COMMISSION

October Agenda:

- Coconino County Flood Control District Tax update – Andy Bertelsen & Lucinda Andreani
- Sewer Reimbursement Agreement with Coconino County – Gary Miller

November Agenda:

- Water Conservation Strategic Plan 2022 Update – Emily Melhorn

WATER DISTRIBUTION

- Water Distribution On-call crews received an emergency call out Monday, October 10, at 8:30 p.m. for a possible water main break on W. Silver Spruce Ave. Investigations revealed two breaks on a 6" cast iron water main from 1962. Repair work went into the early hours of Tuesday morning.



Emergency crews excavated and repaired several breaks along a 1962 6" cast iron main on Silver Spruce Ave.

- Another emergency call out occurred on Thursday, October 14, at 2:30 a.m. for another possible water main break on W. Silver Spruce Ave. The On-call Operator found a third break near the same excavation from Monday night. Crews shut off the water main at 7 a.m. Thursday morning, restoring service before 1:00 p.m. Crews noted the 1962 cast iron pipe has become brittle from age and should be up for replacement. The prompt response elicited a phone call from a local resident, complimenting the quick response of our crews. Go TEAM FLAGSTAFF!
- Crews also responded to a 10" cast iron main (circa 1965) break on Butler, and a 4" cast iron main (circa 1966) break on Sunset.
- Crews completed testing for a 27" water main alignment in Bow and Arrow Wash for Juniper Point construction project.
- 128 fire hydrants inspected this fiscal year, with 83 work orders (repairs) completed.

WATER PRODUCTION

- Following recent drier weather and NAU back in session, water consumption has fluctuated significantly, from 7 MGD (million gallons per day) to 9 MGD.
- All three groundwater wells (Woody Mountain #3, Woody Mountain #6, and Rio Wells) have been re-equipped and are now operational after a season of maintenance and repairs. Lightning strikes also damaged equipment.
- The Lake Mary Water Treatment Plant Sedimentation Basin project is at 90% plans. A formal construction solicitation should be out by the end of the year.
- Staff met with Arizona Department of Emergency Management (ADEMA) and the Jacobs Engineer of Record to discuss emergency repairs to the Inner Basin Pipeline and Waterline Road. This infrastructure was damaged in the Pipeline Fire event.
- Upper Lake Mary Dam investigation/excavation, as recommended by the Arizona Department of Water Resources (ADWR), confirmed there was no crack in the earthen part of the dam.

Re-equipping Rio Well



Electrical infrastructure at our Woody Mountain Booster Station getting replaced by local electrical contractor Shaum Electric after a lightning strike took out power supplying the station

Danny Hickey (in the CAT backhoe)
investigating/excavating our Upper Lake Mary Dam with local Geotech Firm, Western Tech



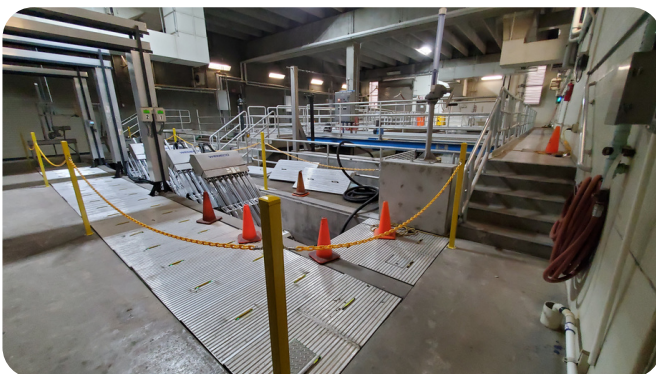
WATER RECLAMATION PLANTS

- No exceedances, both plants producing Class A+ reclaimed water.
- Staff is presenting for public outreach events on Prop 441, Infrastructure bond measure, with FlagstaffBonds2022 team.
- Trenching has begun for fiber and gate projects at both facilities.
- Staff is reviewing the Noresco report, to identify appropriate energy efficiency partner projects.
- Design is underway for new digesters at both facilities.

RIO DE FLAG

Vendor selection for the Rio de Flag WRP anoxic mixer project has been completed. The project is now moving toward construction.

Safety measures were implemented following inspection from Risk Management.



WILDCAT HILL

Proposal selected for the Wildcat Hill WRP anoxic mixer replacement, with equipment to arrive by end of October.

Staff is pursuing an opportunity to purchase a new odor control unit at a significant savings. Odor control replacement is slated under annual operational capital budget.

STORMWATER

- The Schultz Creek Sediment and Flood Detention Basins are substantially complete! Big news and a huge project that was funded and completed in record time.
- Killip School Regional Detention Basins in the final grading and stabilization stage with additional projects in the final planning stages.
- The County-led north alluvial fan projects within the Museum Fire area are substantially complete and should provide more protection to Grandview and Sunnyside neighborhoods.



Schultz Creek Flood and Sediment Detention Basins

- The Stormwater Rate Assessment report is complete, slated for Public Meeting and Council approval on November 29. Public outreach and “road show” efforts to local organizations are underway.
- Long-needed updates to the Stormwater Credit Manual were approved by City Council on November 1.
- Frances Short Pond is receiving a new bathymetric survey by Natural Channel Design in coordination with Stormwater. The survey will determine if dredging is needed.
- Stormwater staff extends many thanks to WS Operations and PW Streets for facilitating sandbag removal and placement this fall, a substantial effort.
- Staff assisted Sustainability with a clean-up of the Rio de Flag as part of Make a Difference Day on October 22.

Museum Fire/Spruce Wash North Alluvial Fan, completed by the County. Stormwater has moved their Museum South flood gauge to accommodate the work.



Volunteers for Make a Difference Day.

ADMINISTRATION

- Staff completed workshops to update Strategic Plan at our mid-point Strategic Plan. We identified accomplishments and re-aligned objectives to fit current needs. Stay tuned!

RECLAIMED WATER

- We are waiting on the final report on reclaimed water modeling data to be able to move forward with distribution improvements.

REGULATORY COMPLIANCE

- ADEQ sampled Wildcat Hill effluent for PFAS/PFOS (forever chemicals) in June. The results showed our effluent is well below the mean and average for the rest of the state.
- ADEQ will be returning to sample the biosolids at Wildcat Hill for PFAS/PFOS
- The Pretreatment Program updated wording in City code to comply with EPA requirements on November 1.
- The MS4 Annual Report has been submitted to ADEQ and posted to the Water Services website.

WATER RESOURCES AND CONSERVATION

- Water Conservation Specialist Emily Melhorn and Communications Aide MacKenzie Chase presented to 85 NAU students in the ENV 181 Environmental Sustainability class during a field trip to Lake Mary. They learned about Flagstaff's water sources and how the City is working to ensure adequate water supply for years to come.

