

CITY COUNCIL REPORT

DATE: November 20, 2015

TO: Mayor and Council Members

FROM: Brad Hill, Utilities Director

CC: Josh Copley, Jerene Watson, Barbara Goodrich, Leadership Team

SUBJECT: Historical Perspective: Continental Country Club's Reclaimed Water Relationship to the City and the Wildcat Hill Water Reclamation Plant

The purpose of this City Council Report is to provide a historical context between Continental Country Club, reclaimed water and the Wildcat Hill Water Reclamation Plant (historically known as Wildcat Hill Wastewater Treatment Plant). *I have reviewed numerous documents and below paraphrased in general terms their purpose or intent.*

DISCUSSION:

November 1966 – City signed an Agreement with Bill Johnston Golf Properties for a 25 year term. This agreement allowed the golf properties to obtain 1 MGD (million gallons per day) of reclaimed water at a rate of \$1,000/year for their first 18 hole golf course. When a second 18 hole golf course is constructed, the agreement provided for an additional 1 MGD will be made available at a cost of \$1,000/year.

October 1971 – City signed an Agreement with Continental Country Club for a 25 year term. This agreement allowed Continental Country Club (successor to Bill Johnston Golf Properties) to take 1 MGD (or 1,105 AF/year) from the older City-owned wastewater treatment plant (*i.e., known as Plant Number One near today's Foxglenn Park*). The rate of the reclaimed water was established at \$12/AF for a total sum of \$13,260/year. The agreement recognized the City's new wastewater treatment plant was about to be completed and put into use.

November 1971 - Wildcat Hill Wastewater Treatment Plant went on-line at 3 MGD (Brown & Caldwell, 1979a and Water Resources Master Plan-Draft, 2011)

January 1972 – City signed an Agreement with Vita Trading Company. The Brown & Caldwell (1980) Wildcat Hill User Charge & Industrial Cost Recovery Rate Design report mentions that the City signed an agreement allowing Vita Trading Company (*successor to Continental Country Club?*) exclusive right to the same quantity of wastewater from the Wildcat Hill Wastewater Plant, except the City maintained the right to withhold 10% of the plant's effluent (*working with City Clerk to find the actual agreement*)

November 1979 - Wildcat Hill Wastewater Treatment Plant was expanded to 6 MGD with solids handling treatment (Brown & Caldwell, 1979b)

July 1983 - City signed an Agreement with Fairfield Sunrise Village (dba Fairfield Continental Country Club) for a 20 year term. This agreement allowed for the partial

reimbursement of costs associated with the 12" reclaimed water line from Wildcat Hill to Continental Country Club storage pond or lakes. This agreement defined Continental would purchase 1.6 MGD up to a maximum of 584 MG/year (1,792 AF/year). The rate for the 1.6 MGD up to 365 MG/year was set at \$13,240/year for the first 14 years to partially off-set the cost of the installation of the reclaimed waterline. The rate for the remaining 6 years was established at "50% of the then current adjusted annual rate per 1000 gallons used for the at 365 MG/year". The rate for the Excess Consumption above 365 MG/year was established at \$0.55/1000 gallons (\$179/AF) for the first year for the extra deliveries then adjusted annually by Consumer Price Index.

April 1987 - Wildcat Hill Wastewater Treatment Plant's federal wastewater discharge permit (NPDES). This permit added the Fairfield Continental Lakes (i.e., Lake Humphrey & Lower Walnut Canyon Lake) as outfall discharge locations for Wildcat Hill in addition to the Rio de Flag. Note that Wildcat Hill's 1983 NPDES permit only showed the Rio de Flag as an outfall discharge location.

January 2010 - ADEQ Engineer's Certificate of Completion. Black & Veatch Engineers certified the upgrades to Wildcat Hill were complete. This plant upgrade included many items such as; Class B to Class A+ reclaimed water quality, a new pump station and piping so reclaimed water can be delivered to the overall reclaimed distribution system in addition to Continental Country Club.

July 2012 - City signed a Reclaimed Water Agreement with Continental Country Club for a 5 year term. The Agreement established a maximum daily delivery of 1.6 MGD with a maximum annual delivery of 1,006 AF/year. The rate to be paid will be that for that class of user in effect at the time, date and place of delivery as set forth in Title 7 of the City Code.

RECOMMENDATION / CONCLUSION:

This report is for information only.

REFERENCES:

- 1966 Agreement - City of Flagstaff and Bill Johnston Golf Properties, 4 pages
- 1971 Agreement - City of Flagstaff and Continental Country Club, 8 pages
- 1979a Brown & Caldwell Wildcat Hill WWTP Preliminary Design Report, Section 2 (May)
- 1979b Brown & Caldwell Wildcat Hill WWTP As-Built Record Drawings: Sheet 4, Drawing G-4 (November)
- 1980 Brown & Caldwell Wildcat Hill WWTP User Charge and Industrial Cost Recovery Rate Design
- 1983 Agreement - City of Flagstaff and Fairfield Sunrise Village (dba) Fairfield Country Club, 18 pages
- 1987 NPDES-National Pollutant Discharge Elimination System: Application for permit to discharge wastewater
- 2010 Arizona Department of Environmental Quality – Certificate of Completion Black & Veatch Engineers
- 2011 Water Resources Master Plan-*Draft*, City of Flagstaff Utilities Division, 145p.
- 2012 Reclaimed Water Agreement – City of Flagstaff and Continental Country Club, 4 pages