



CITY OF ARLINGTON PROJECT SUMMARY

Equalization Basin and Digested Pump Project

COST OF PROJECT: \$1.8 Million

The City of Arlington's Water Reclamation Facility (WRF) underwent a major facility upgrade and expansion with the conversion to membrane bioreactors (MBRs) in 2011. Shortly thereafter, the City completed the constructed treatment wetlands (CTW) which is now known as Stormwater Wetland. While the Stormwater Wetland is primarily used for the natural treatment of stormwater runoff, it also receives filter backwash water from the Water Treatment Plant and reclaimed water from the Water Reclamation Facility. This project proposes to complete several improvements as requested by the Department of Ecology and included in the WRF's operating permit. This projects include install an equalization basin and metering for enhanced reclaim water production, upgrade digested biosolids pumps, and install new automated water quality metering for regulatory reporting.



The Problem

The City operates a WRF that is permitted by the Washington state Department of Ecology under a National Discharge Elimination System (NPDES) 5-year permit. Each permit renewal cycle brings additional requirements directed at improving wastewater treatment for the protection of the environment. The 2019 NPDES permit cycle requires the City to make modification to several processes; these include enhancements to our reclaimed water process (*equalization basin and metering*), improved biosolids (*sludge*) pumps, and new effluent monitoring parameters.

The Solution

Since these improvements are stipulated in the City's WRF operating permit, the work has to be performed. Any work on a state permitted wastewater treatment must follow strict requirements on design and permitting. The City will contract with BHC Consultants for preparation of the required Engineering Report. After it is approved by Ecology, BHC will design the improvements. The project will be publically bid and construction will be monitored by in-house staff.

Project Funding and Timeline

Project Funding:

- City of Arlington Utility Fund

Estimated Schedule:

- Design & Planning: 2020-2021
- Construction: 2021-2022

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