

A photograph of a water body, likely a reservoir or pond, with a dense line of tall reeds along the left and back edges. Several ducks are swimming in the water. In the background, there are mountains under a clear sky, and some utility poles and a building are visible on the left side.

EOP Recharge

A Brief History

- From farming to recharge
- Current operation came on-line in 2002
- Clarifiers added in 2012
- Class A effluent
- Total recharge since 2002 - 11 BILLION gallons
- 2000 ac-ft at the basins and 800 ac-ft at the wetlands annually

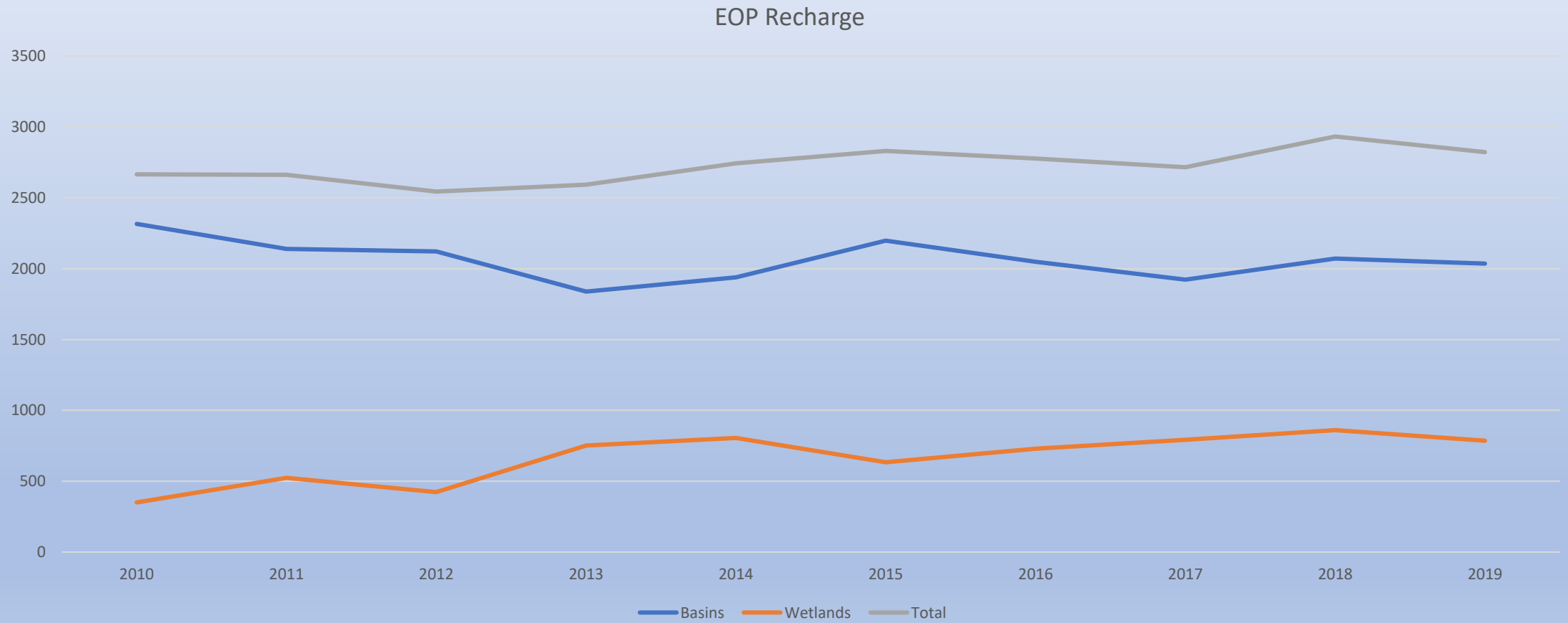
What Does the City Monitor?

- Daily – total suspended solids, chemical oxygen demand, nitrite/nitrate/TKN, ammonia, temperature, PH, dissolved oxygen, on-site climatology, basin water level, vegetative cover
- Weekly – sludge age, biochemical oxygen demand
- Monthly – consolidated daily and weekly readings (nitrite/nitrate/TKN, ammonia, recharge, treatment loss, monitoring wells, etc.)
- Annually – chemicals at wetlands discharge and water quality in monitoring wells

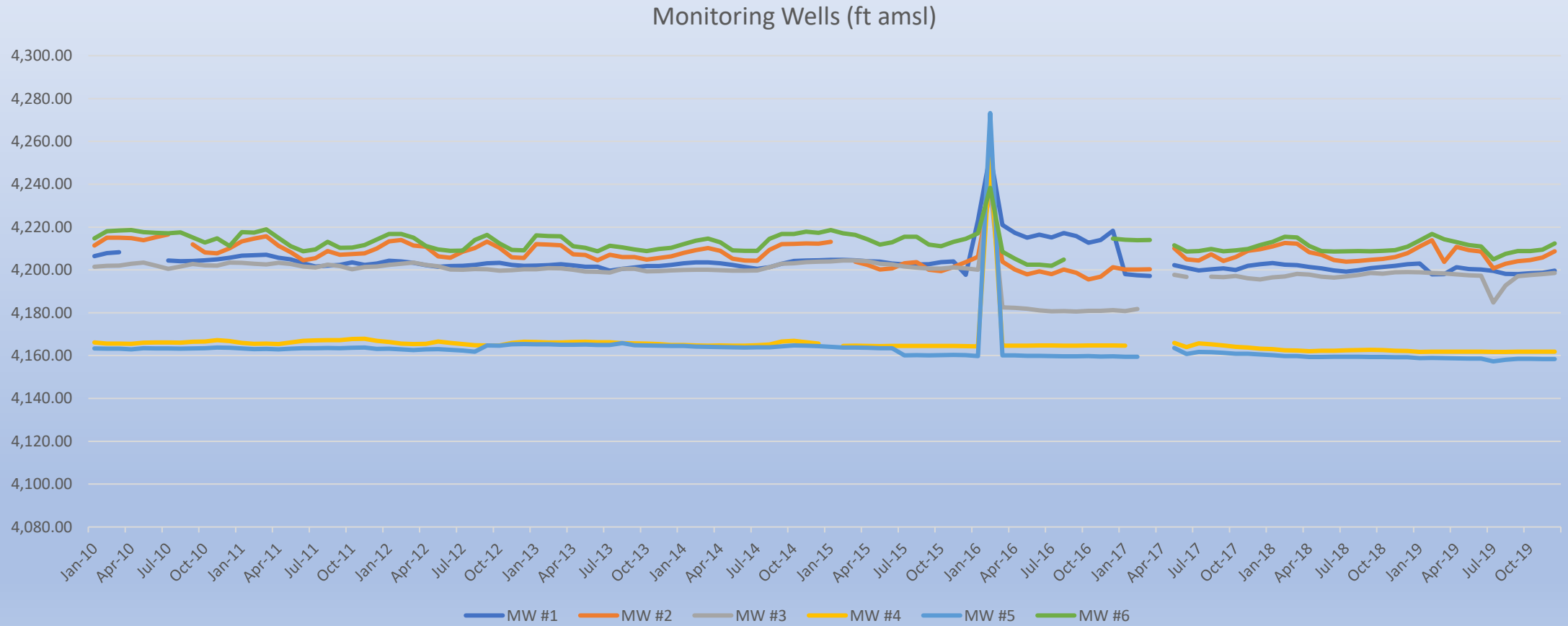
A Deeper Dive Into 2019

- BOR agreement comes to an end
- Retirement of Wastewater Supervisor
- 2036 ac-ft recharged at the recharge basins
- 786 ac-ft of incidental recharge at the wetlands
- No exceedances
- Operations are consistent with recent years

Recharge 2010 - 2019



Monitoring Wells 2010-2019



Future Efforts

- Consolidate/simplify monitoring spreadsheets
- Energy upgrades
- Distribution of effluent
- Other opportunities???