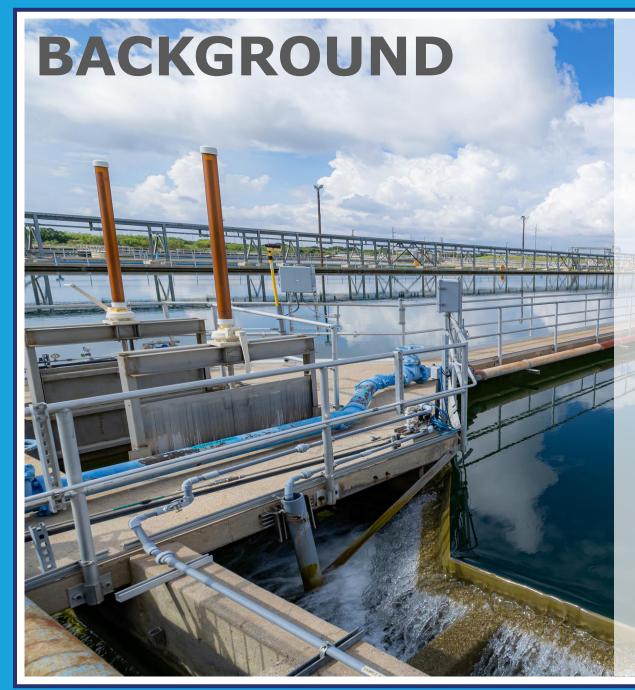
# O.N. STEVENS WATER TREATMENT PLANT WEIR IMPROVEMENTS – BASINS 3 & 4

Nicholas J. Winkelmann, P.E. Interim Chief Operating Officer – Corpus Christi Water November 18, 2025





The O.N. Stevens Water Treatment Plant (ONSWTP) treats a blend of surface waters from the Western Reservoirs (Choke Canyon & Lake Corpus Christi via the Nueces River) and from the Eastern Supply (Lake Texana & Colorado River via the Mary Rhodes Pipeline)

ONSWTP has two separate treatment systems:

- Plant 1 (using Basins 1 & 2, a 4 MG Clearwell 1)
- Plant 2 (using Basins 3 & 4, a 10 MG Clearwell 2)
- Note: Clearwell 3 is expected to come online in January 2026

### **BACKGROUND**

Plant 2 has operational challenges in secondary Basins 3 and 4 due to their finger-style weirs. Weirs help control water flow and separate solids.

 Weirs in Basins 3 and 4 extend too far, causing uneven flow distribution, potential short-circuiting (especially on windy days), and problems like solids carry-over and caustic deposits





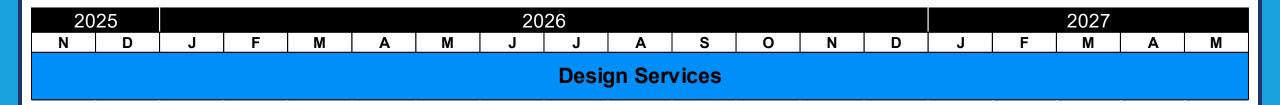
### PROJECT GOAL AND SCOPE



The primary goal of this project is to upgrade Plant 2's weirs to enhance hydraulic performance and settling efficiency.

- Scope of services for this proposal include design, bid, and construction phase services for Basins 3 and 4
- Scope also includes evaluation of the existing straight weirs in Plant 1's secondary basins, which are deteriorated and need replacement
  - A rehabilitation or replacement recommendation for Plant 1 will be developed during the preliminary phase

## PROJECT TIMELINE



Project schedule reflects City Council award in November 2025 with anticipated construction completion by December 2028.

# STAFF RECOMMENDATION

City Staff recommends approval of the professional services contract with Ardurra Group, Inc. in an amount not to exceed \$1,433,817.00 for the ONSWTP Weir Improvements – Basins 3 & 4 Project with an estimated design completion by November 2027. The fiscal impact for Corpus Christi Water in FY 2026 is an amount of \$700,000.00, with future funding being available in FY 2027 in an amount of \$733,817.00 with funding available from the Water Capital Fund.





