

# Staff Report

**TO:** Board of Directors

**FROM:** Gabe Aronow, PE, Director of Engineering  
Peter Wade, PE, Director of Power Systems  
Adrian Schneider, PE, Senior Engineer

**DATE:** October 14, 2026

**SUBJECT:** French Dam Hydraulic Cylinder Actuator  
Replacement/Refurbishment Project (#C0020) (Consent)

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## ***ENGINEERING***

### **RECOMMENDATION:**

Adopt an amendment to the 2026 Annual CIP Budget in the amount of \$35,000 for the French Dam Hydraulic Cylinder Actuator Replacement/Refurbishment Project (#C0020), approve a \$20,000 increase to the Unico Mechanical contract, \$15,000 for miscellaneous supplies related to the work, and authorize the General Manager to execute the necessary documents.

### **BACKGROUND:**

On August 5, 2026, the District delivered the hydraulic cylinder actuator (HCA) to Unico. Unico disassembled the unit for measurement and inspection and provided as-built shop drawings. They identified two critical defects: an out-of-true cylinder wall and a bent lower stem. It was determined that honing the interior cylinder to restore its shape and replacing the piston and lower stem/rod was the best option.

On October 2, 2026, Unico conducted a performance test of the refurbished HCA. The HCA functioned effectively. After the functionality test, Unico conducted a pressure test of the HCA and observed a pinhole leak in the original top cover. The pinhole leak was part of the original cover. The District determined that reinstalling the HCA with the leak is not acceptable and that a new cover is the best solution.

Unico priced a new top cover at \$20,000, including materials, fabrication, coating, and re-testing of the HCA. The work is to be expedited to meet the proposed rescheduled installation dates of October 19 through 23, 2026.

**BUDGETARY IMPACT:**

The 2026 Project budget is \$440,000, which is already encumbered by the Consulting Agreement with GFT; the Diving Contract with AUS; the Unico Mechanical current contract with contingency; and miscellaneous parts, materials, and supplies.

A \$35,000 budget amendment will bring the project total budget to \$475,000. This amendment will allow a \$20,000 increase to Unico Mechanical and a \$15,000 allowance for additional parts, materials, supplies, and potential logistical costs related to rescheduling installation.

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Attachments: One (1)

- Resolution No. 2026-39 - Approving Budget Amendment for the French Dam Hydraulic Line Replacement & Inlet Gate Actuator Refurbishment Project (#C0020)



**RESOLUTION NO. 2026-39**  
**OF THE BOARD OF DIRECTORS OF THE NEVADA IRRIGATION DISTRICT**

**BUDGET AMENDMENT APPROVAL  
FOR THE FRENCH DAM HYDRAULIC LINE REPLACEMENT & INLET GATE  
ACTUATOR REFURBISHMENT PROJECT (#C0020)**

**WHEREAS**, the Nevada Irrigation District (District) budget for the 2026 fiscal year reflects resources to meet the essential needs of the District and the District's customers; and

**WHEREAS**, the Board of Directors adopted the 2026 Annual Budget on November 12, 2025; and

**WHEREAS**, funding for the French Dam Hydraulic Line Replacement & Inlet Gate Actuator Refurbishment Project #C0020 is insufficient to continue to advance the project, and

**WHEREAS**, funding for the French Dam Hydraulic Line Replacement & Inlet Gate Actuator Refurbishment Project #C0020 should come from Fund 50 Hydroelectric Capital; and

**NOW, THEREFORE, BE IT RESOLVED**, by the Board of Directors of Nevada Irrigation District:

- 1.** The Board of Directors hereby approves amending the 2026 Annual Budget Fund 50 Capital Improvement Plan by increasing the French Dam Hydraulic Line Replacement & Inlet Gate Actuator Refurbishment Project #C0020 by \$35,000.

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**PASSED AND ADOPTED** by the Board of Directors of the Nevada Irrigation District at a regular meeting held on the 14th day of October 2026 by the following vote

|                  |            |
|------------------|------------|
| <b>AYES:</b>     | Directors: |
| <b>NOES</b>      | Directors: |
| <b>ABSENT:</b>   | Directors: |
| <b>ABSTAINS:</b> | Directors: |

**Attest:**

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President of the Board of Directors

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Secretary to the Board of Directors