

ERIE COUNTY WATER AUTHORITY  
AUTHORIZATION FORM  
For Approval/Execution of Documents  
(check which apply)

**Contract:** \_\_\_\_\_ **Project No.:** 202100052

**Project Description:** 2021 Capital Budget Amendment (see attached)

**Item Description:**



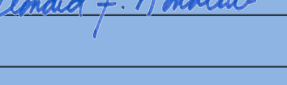

- |   |  |   |                                       |
|---|--|---|---------------------------------------|
| <input type="checkbox"/> Agreement                            | <input type="checkbox"/> Professional Service Contract | <input checked="" type="checkbox"/> Amendment | <input type="checkbox"/> Change Order |
| <input type="checkbox"/> BCD                                  | <input type="checkbox"/> NYSDOT Agreement              | <input type="checkbox"/> Contract Documents   | <input type="checkbox"/> Addendum     |
| <input type="checkbox"/> Recommendation for Award of Contract | <input type="checkbox"/> Recommendation to Reject Bids |   |                                       |
| <input type="checkbox"/> Request for Proposals                |  |   |                                       |
| <input type="checkbox"/> Other _____                          |  |   |                                       |

**Action Requested:**

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Board Authorization to Execute            | <input type="checkbox"/> Legal Approval                              |
| <input type="checkbox"/> Board Authorization to Award                         | <input type="checkbox"/> Execution by the Chairman                   |
| <input type="checkbox"/> Board Authorization to Advertise for Bids            | <input type="checkbox"/> Execution by the Secretary to the Authority |
| <input type="checkbox"/> Board Authorization to Solicit Request for Proposals |  |
| <input type="checkbox"/> Other _____  |  |

**Approvals Needed:**

**APPROVED AS TO CONTENT:**

- |   |  |                  |
|---|--|------------------|
| <input checked="" type="checkbox"/> Sr. Production Engineer |  | Date: 3/4/2021   |
| <input checked="" type="checkbox"/> Chief Operating Officer |   | Date: 3/4/21     |
| <input checked="" type="checkbox"/> Executive Engineer      |   | Date: 03/04/2021 |
| <input type="checkbox"/> Director of Administration         | _____  | Date: _____      |
| <input type="checkbox"/> Risk Manager                       | _____  | Date: _____      |
| <input checked="" type="checkbox"/> Chief Financial Officer |  | Date: 03/04/2021 |
| <input type="checkbox"/> Legal                              | _____  | Date: _____      |

**APPROVED FOR BOARD RESOLUTION:**

- |  |  |                |
|--|--|----------------|
| <input checked="" type="checkbox"/> Secretary to the Authority |  | Date: 03/11/21 |
|--|--|----------------|

**Remarks:** \_\_\_\_\_  
\_\_\_\_\_

**Resolution Date:** \_\_\_\_\_

**Item No:** \_\_\_\_\_



# ERIE COUNTY WATER AUTHORITY

## INTEROFFICE MEMORANDUM

March 4, 2021

To: Steve Damico, Business Office Manager

From: Michael Wymer, Senior Production Engineer

A handwritten signature in blue ink, appearing to read "M Wymer", is written over the name "Michael Wymer".

Subject: 2021 Capital Budget Transfer  
Van de Water and Sturgeon Point WTP Raw Water Intake Improvements  
Creation of New Capital Budget Items - ECWA Project No. 202100052

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The Engineering Department is requesting the creation of two new Capital Budget Items and the transfer of funds from Capital Budget Item No. 2595-250-101267, W-027 Transmission Main Replacement to new budget items within Units 2510 and 2515.

The Sturgeon Point Water Treatment Plant periodically experiences interruptions of raw water flow as a result of frazil ice blockage of the intake structure. These blockage events occur under a specific combination of weather and lake conditions (cold, still, cloudless nights as the water temperature approaches freezing). The resulting disruptions require the operator to initiate a backflushing operation using water or air fed back to the intake structure. The most recent significant frazil ice incident occurred in mid-February, when an obstruction interrupted flow through the intake for a number of hours.

Each treatment plant utilizes a 3-inch diameter HDPE pipe to deliver chemicals to the intake crib. A second HDPE line provides a raw water sample back from the crib. Chemical addition at the intake crib provides valuable oxidant contact time and also helps protect the intake tunnel from zebra mussel infestation. The chemical feed line at Sturgeon Point is also utilized as part of the frazil ice backflushing protocol. These lines were originally installed in the early 1990s and are approaching the end of their reliable life.

The purpose of this budget transfer is to fund and complete design of a more resilient system to protect each intake, including more frazil ice resistant intake crib grating for the Sturgeon Point intake and replacement of the HDPE piping system at each treatment plant. It is desired to begin design of the improvements in 2021 to allow construction in 2022. Upon approval of the transfer, a request for proposals for professional services will be prepared. A total of \$300,000 is being requested to be transferred; \$200,000 for Sturgeon Point and \$100,000 for Van de Water. Contract W-27, Transmission Main Replacement is scheduled to complete early, and thus funds budgeted for 2021 are available to transfer to the new raw water intake improvements budget items.

MWW:jmf

Attachments

cc: R.Stoll

K.Prendergast

L. Kowalski

L.Lester

M.Quinn