



**CIP Project Updates**  
**Water Engineering**  
September 12, 2023 | Tim Kuhns

# Agenda

- CIP #: 112006 – Northeast Water Treatment Plant Flocculator Replacements
- CIP #: 132007 – Imlay Pump Station Improvements

# Water CIP Project STATUS

**CIP #: 112006      NE WTP Flocculator Replacements**

Project Manager: Brian Vanhall

Project Delivery Method: Design-Bid-Build

Project Status: Construction Phase

CIP Score: 67.4

We Are Here



Contract	Contractor	Contract Amount	Earned Value	% Complete	Start	End	% Elapsed Time
<ul style="list-style-type: none"> <li>In-house (Design)</li> </ul>	<ul style="list-style-type: none"> <li>In-house</li> </ul>	<ul style="list-style-type: none"> <li>•\$0</li> </ul>	<ul style="list-style-type: none"> <li>• NA</li> </ul>	<ul style="list-style-type: none"> <li>• NA</li> </ul>	<ul style="list-style-type: none"> <li>•January 24, 2022</li> </ul>	<ul style="list-style-type: none"> <li>•March 18, 2027</li> </ul>	<ul style="list-style-type: none"> <li>•31%</li> </ul>
<ul style="list-style-type: none"> <li>•1904231 (Construction)</li> </ul>	<ul style="list-style-type: none"> <li>•Commercial Contracting Corporation</li> </ul>	<ul style="list-style-type: none"> <li>•\$12,699,000.00</li> </ul>	<ul style="list-style-type: none"> <li>•\$3,675,775.57</li> </ul>	<ul style="list-style-type: none"> <li>•29%</li> </ul>	<ul style="list-style-type: none"> <li>•January 24, 2022</li> </ul>	<ul style="list-style-type: none"> <li>•March 18, 2027</li> </ul>	<ul style="list-style-type: none"> <li>•31%</li> </ul>

# Water CIP Project INFO

CIP #: 112006 NE WTP Flocculator Replacements

## 💧 Project Scope of Work / Goals

- 💧 Provide 4 stages of new horizontal paddle wheel flocculation system.
- 💧 Improve flow distribution and mixing through the flocculation basin.
- 💧 Improve maintainability of flocculation system.
- 💧 Improve access safety in the flocculator dry well.

## 💧 Significance / Need / Background

- 💧 Multiple existing flocculators were out of service due to need for drive motor replacement.
- 💧 Non-functioning flocculation system was noted as deficiency by EGLE in 2021 Sanitary Survey.

# Water CIP Project PHOTOS

CIP #: 112006 NE WTP Flocculator Replacements

Flocculator Alignment



Flocculator Basin Inlet Baffle

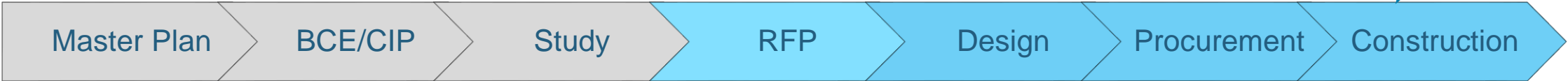


# Water CIP Project STATUS

## CIP #: 132007 Imlay Pump Station Improvements

Project Manager: Vittoria Hogue  
 Project Delivery Method: Design-Build  
 Project Status: Construction (Build) Phase  
 CIP Score: 35.1

We Are Here



Contract	Contractor	Contract Amount	Earned Value	% Complete	Start	End	% Elapsed Time
•1900516 (Design/Build)	•OHM / Commercial Contracting Corporation	•\$5,004,000.00	•\$4,772,287.72	•95%	•June 1, 2020	•November 30, 2023	•93%

# Water CIP Project INFO

CIP #: 132007 Imlay Pump Station Improvements

## 💧 Project Scope of Work / Goals

- 💧 Provide one smaller, 22.5 MGD pump unit with valve appurtenances and variable frequency drive.

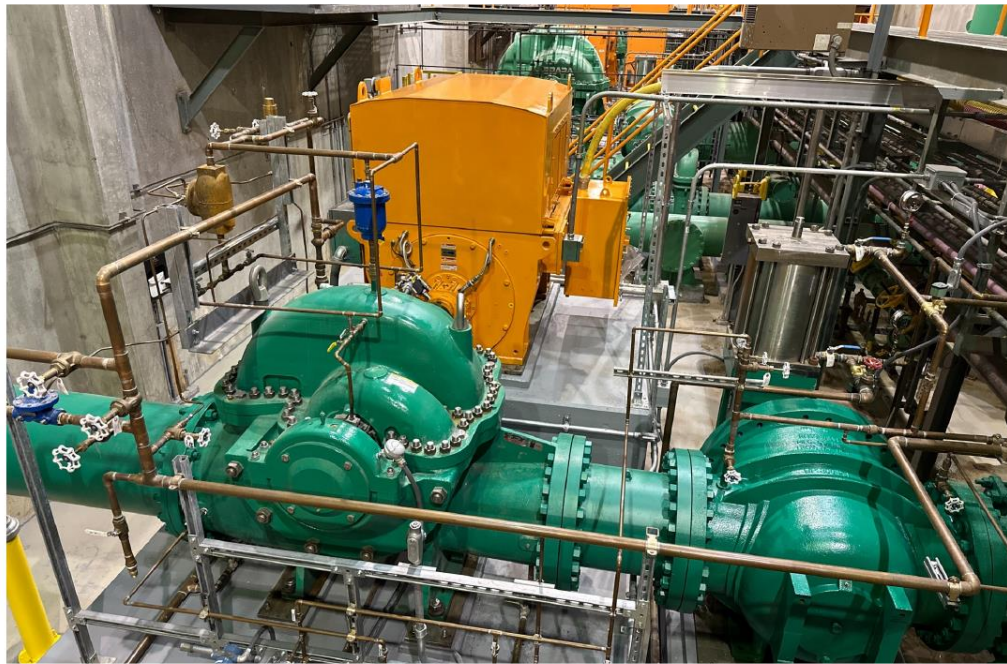
## 💧 Significance / Need / Background

- 💧 Provide right-sized pumping capacity to customers in Imlay Station service area.
- 💧 Provide improved control of pumping operations during the low-demand season that will better maintain the water age in the existing 18-million-gallon reservoir at the Imlay Station.

# Water CIP Project PHOTOS

CIP #: 132007 Imlay Pump Station Improvements

Pump No. 3



Pump No. 3





# Questions and Contact

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