

**Village of Oak Park
Water & Sewer Capital Project Sheet
2022 - 2026**

Project: Water Meter Replacement

Priority Code: A

Infrastructure Improvements



Description:

This project provides for the replacement of water meters (the bottom brass component where the water flows through) and register heads (the top part that records the volume of water flowing through) that have become obsolete or malfunction to the latest technology. It is proposed to complete a comprehensive changeout of the remaining older meters/register heads to bring the entire metering system to an Advanced Metering Infrastructure (AMI). This account also provides funding for replacement of large meters or replacement of components in large meters that are identified as part of the large meter testing program (greater than 2"). In addition, this item also provides funding for water meters that are to be provided in new development or reconstruction. Meters in this category are paid for by the developer. This project would be completed in conjunction with the Advanced Metering Infrastructure shown on another program form.

Justification:

The Village maintains approximately 13,000 water meters serving its customers. Water meters and register heads can become inoperable or malfunction over time thus providing inaccurate readings, usually reading less than is actually going through the meter. It is imperative to maintain an accurate system of meter reading since this is the driver of the revenue for the fund and is one of the reasons for water loss. Meters are read monthly for commercial customers and quarterly for residential customers. Meters have an expected life of 15-20 years for accuracy purposes.

Current Status:

In 2021 it is proposed to begin replacing the meters and/or register heads that will provide for AMI. There are approximately 8,700 meters and/or register heads that would need to be changed. The plan is for this program to be completed by the end of 2023. In addition the focus is on testing/replacing larger watermeters. Future years will provide for replacing the meters that are obsolete or malfunction and continuation of the large meter program.. Except for necessary meter replacement, work in 2020 was suspended due to the COVID-19 pandemic.

| Funding Sources | Account Number | Actuals | | Budget | Amended Budget | Year End Estimate | Recommended Budget | | | | |
|--------------------------------|-----------------------|---------|--------|-----------|----------------|-------------------|--------------------|---------|---------|---------|---------|
| | | FY 2019 | FY2020 | FY2021 | FY2021 | FY2021 | FY2022 | FY 2023 | FY 2024 | FY 2025 | FY 2026 |
| Water/Sewer Operating Revenues | 5040.43730.101.444401 | 366,748 | 56,595 | 1,700,000 | 1,700,000 | 1,250,000 | 2,300,000 | 200,000 | 200,000 | 200,000 | 200,000 |
| Net Annual Total: | | 366,748 | 56,595 | 1,700,000 | 1,700,000 | 1,250,000 | 2,300,000 | 200,000 | 200,000 | 200,000 | 200,000 |
| Expenditures | | | | | | | | | | | |
| Construction | 5040.43730.777.570707 | 186,000 | 32,435 | 850,000 | 850,000 | 625,000 | 1,150,000 | 100,000 | 100,000 | 100,000 | 100,000 |
| Construction | 5040.43750.781.570707 | 180,748 | 24,160 | 850,000 | 850,000 | 625,000 | 1,150,000 | 100,000 | 100,000 | 100,000 | 100,000 |
| Total: | | 366,748 | 56,595 | 1,700,000 | 1,700,000 | 1,250,000 | 2,300,000 | 200,000 | 200,000 | 200,000 | 200,000 |