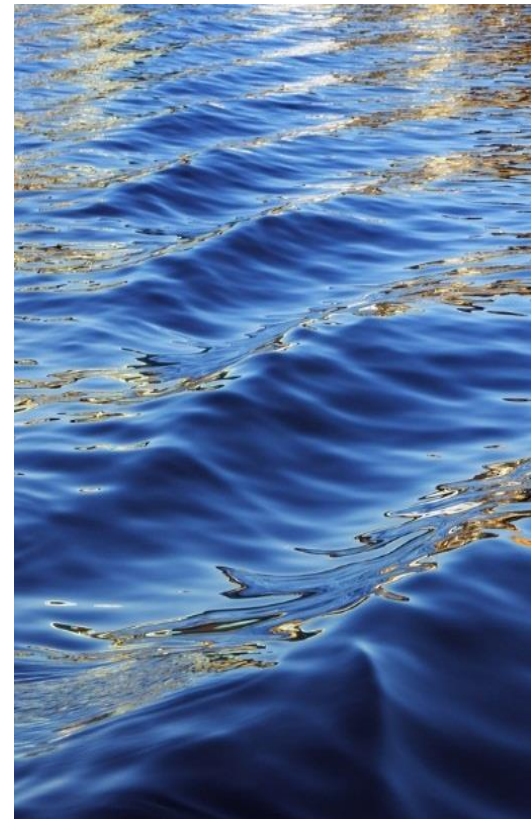




# SEWER & WATER

## Revenue vs Expenditures 2024

Resort Village of Manitou Beach 2024

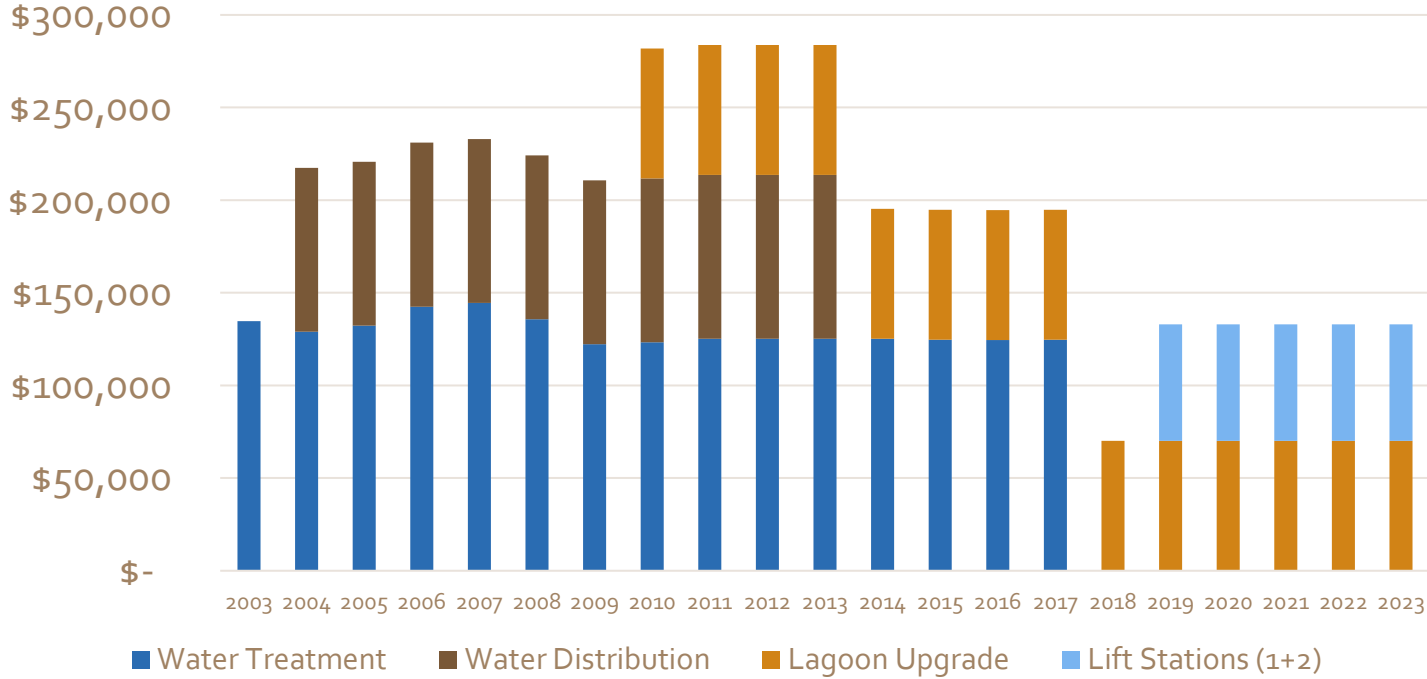


# Capital Expenditures

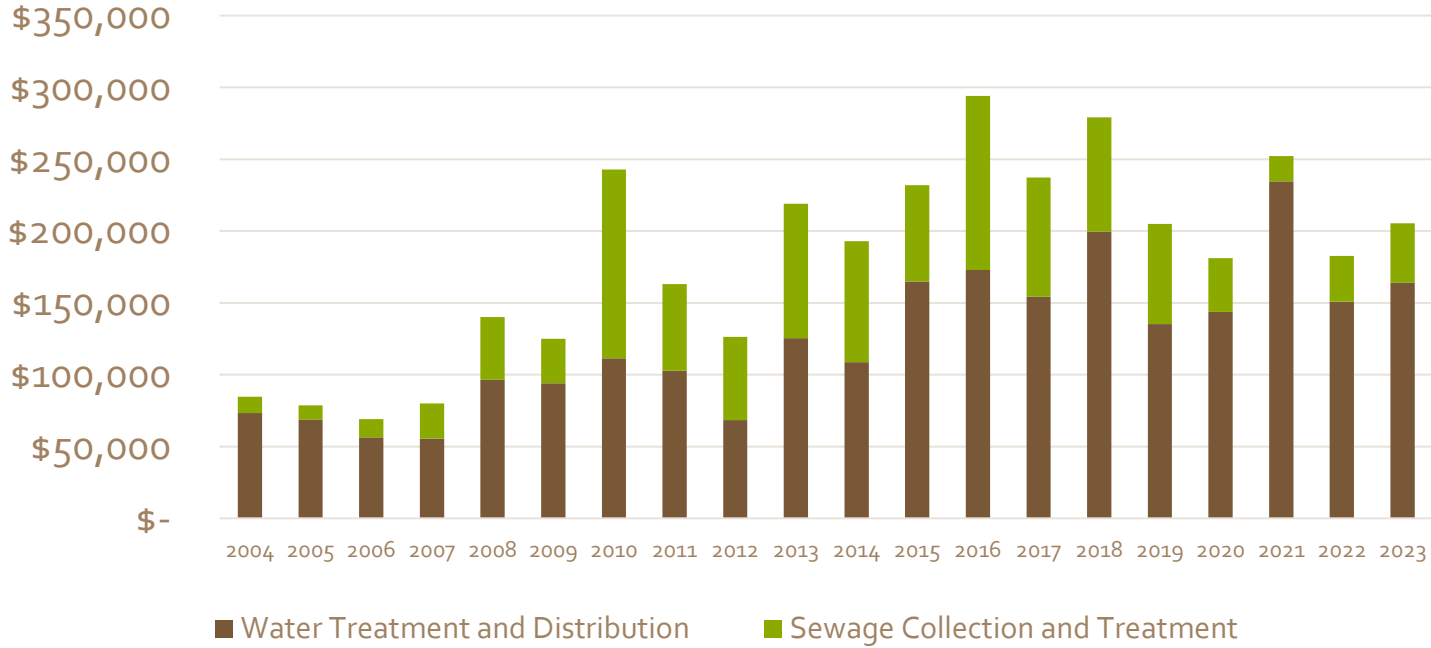
- Corrected the term on the Water Treatment Plant from 20 years to 15 years. A mistake that was made in 2022 presentation.
- Municipal levy for Albert Street is not included.

Project	Principal	Rate	Year	Term
Water Treatment	\$ 1,291,611	Prime + 1.5%	2003	15
Water Distribution	\$ 643,455	6.25%	2004	10
Lagoon Upgrade	\$ 732,662	4.90%	2010	15
Lift Stations (1+2)	\$ 500,000	4.37%	2019	10

# Capital Expenditures



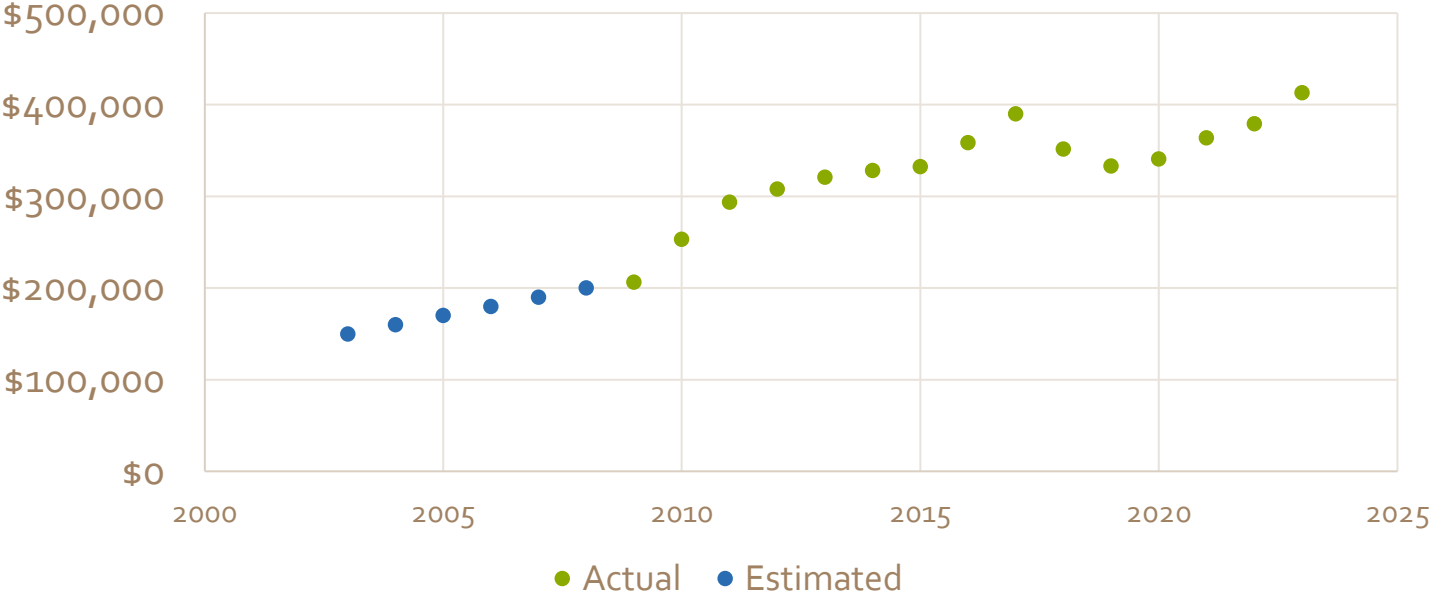
# Operational Expenditures



Resort Village of Manitou Beach

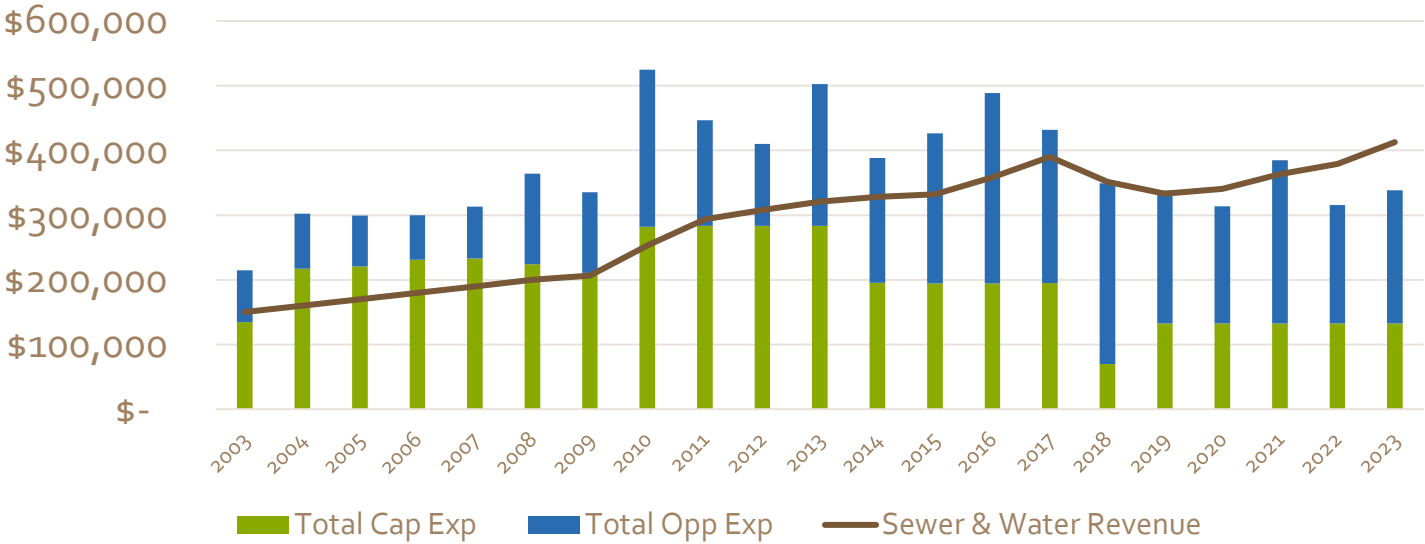
# Billed Revenue

## Yearly Sewer and Water Revenue

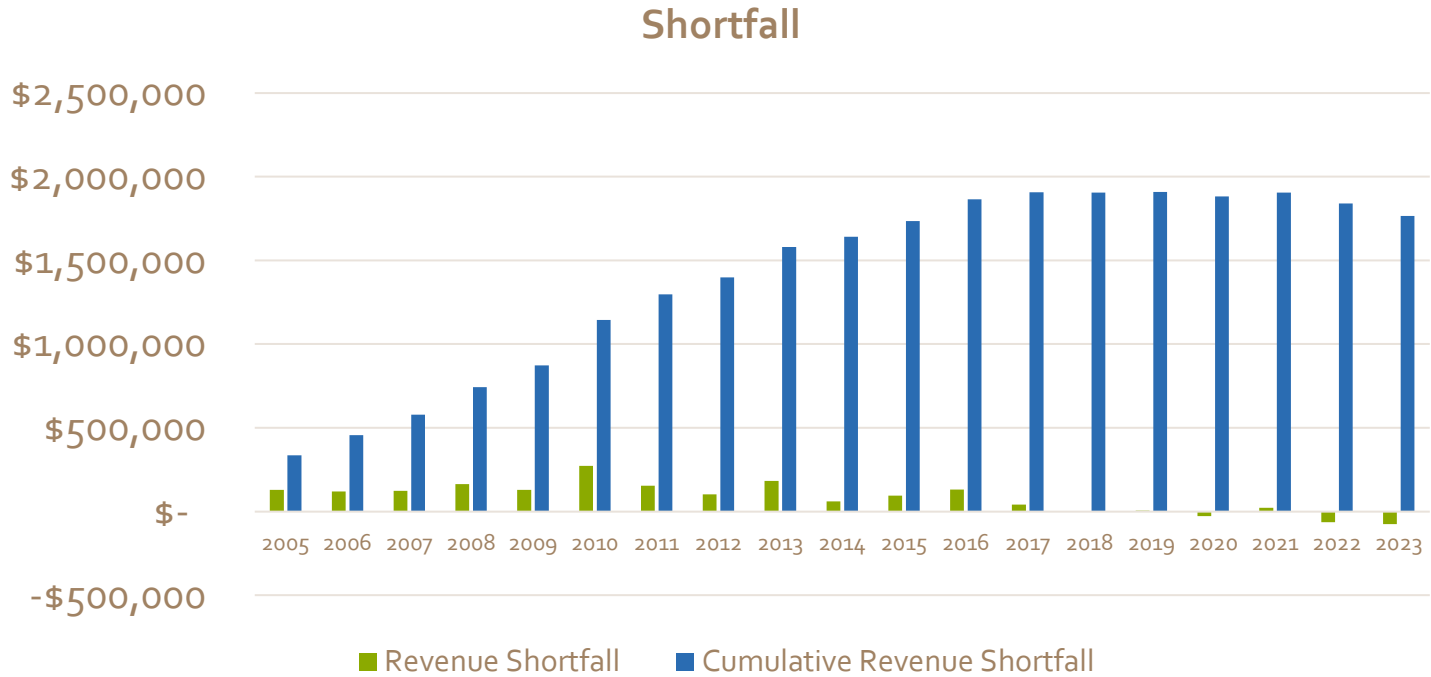


# Comparison

## Water and Sewer Expenditures vs Revenue



# Difference

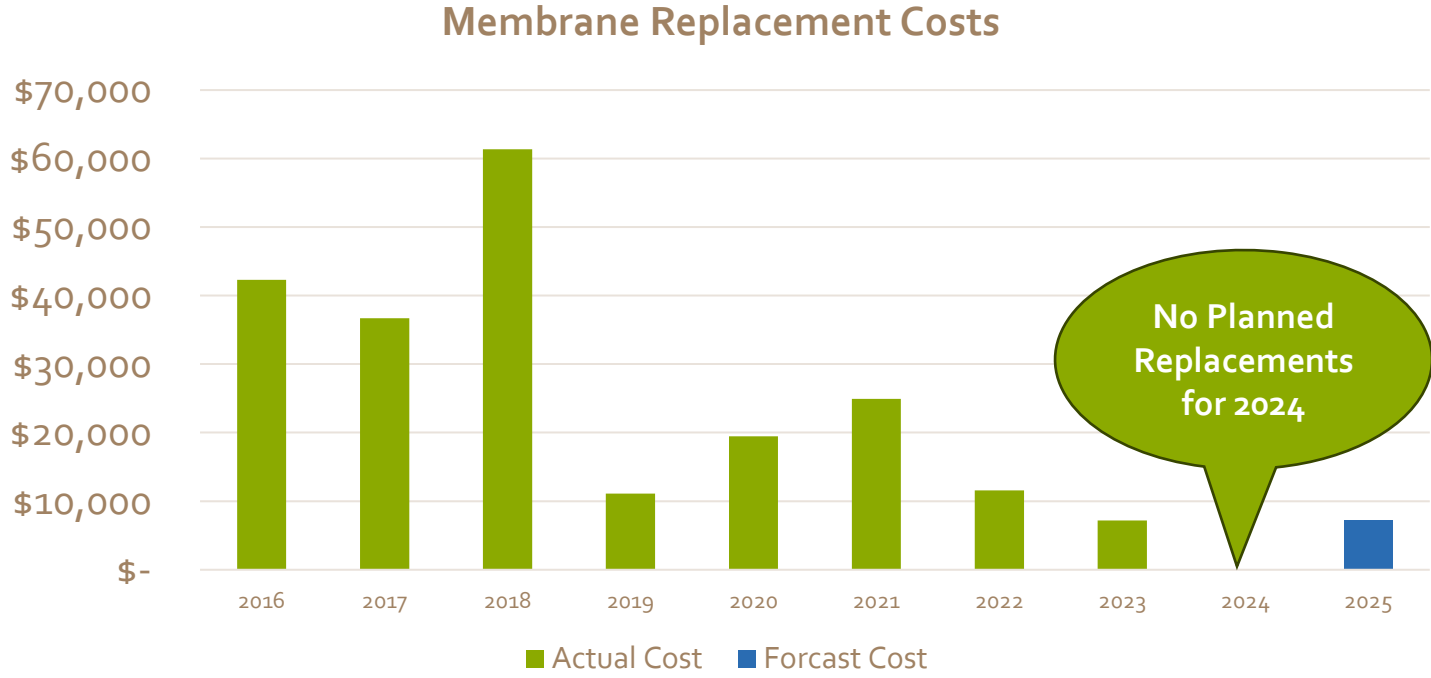


## Improved Processes and Practices

- Reduced amount of chemicals being used to clean the membranes.
- Reduced amount of chemical to treat the water.
- Longer membrane life due to improved practices.
- Reduction in shipping costs by storing more chemicals on site.
- Fewer emergency callouts due to preventative maintenance.
- Increased reliability by maintaining appropriate spare parts.
- Reduced non-billable water by fixing watermain and valve leaks.
- Proper exercising of water-main valves increases lifespan and reliability.
- Maintenance of manholes to prevent sand and gravel from entering lift-station pumps.
- Infrastructure mapping to facilitate quick location of mains, main valves, curb-stops and manholes.
- Survey equipment used to accurately measure lagoon volumes. Helping to develop improved operating procedures

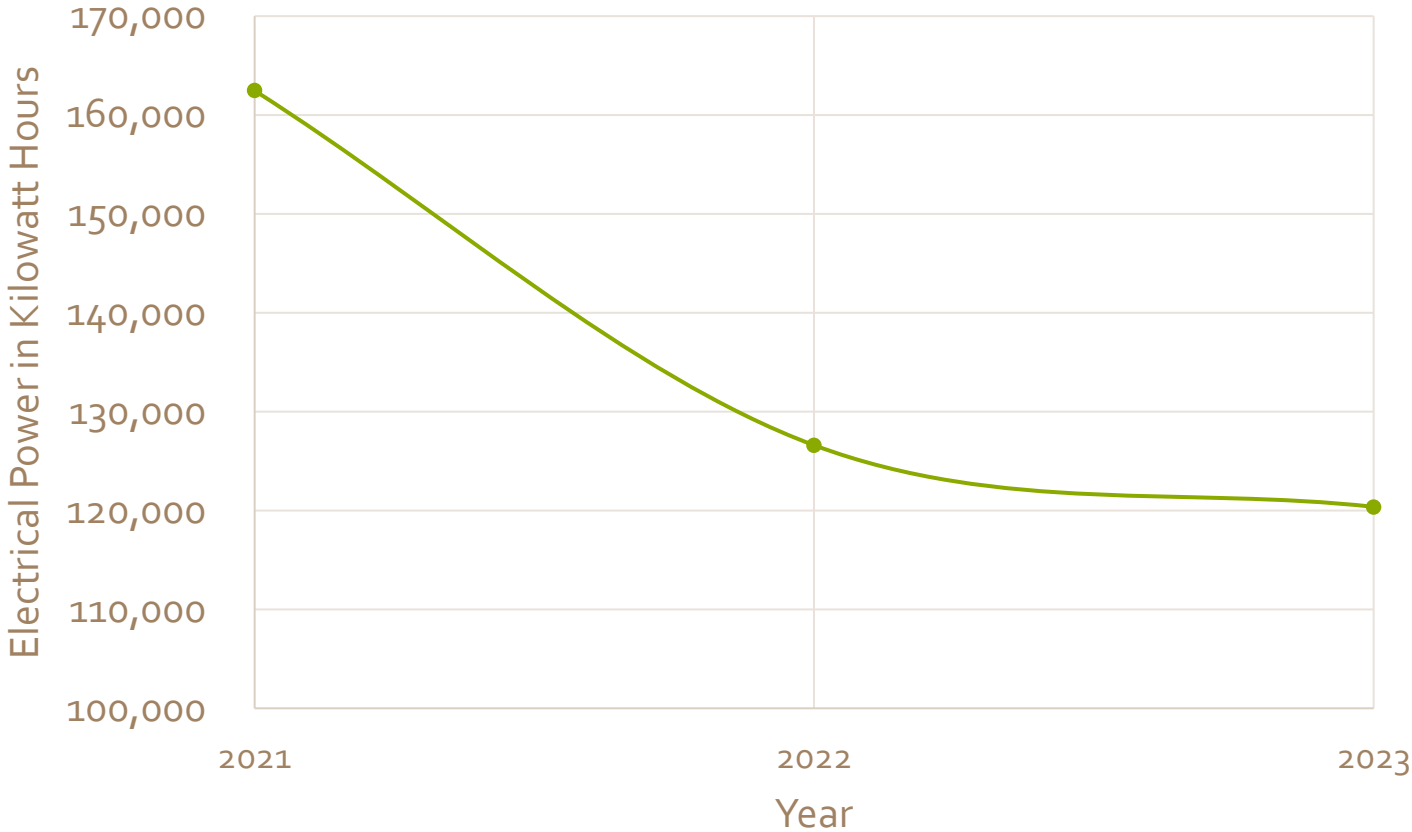


# Improvement Example #1



# Improvement Example #2

## Water Treatment Plant Power Consumption



# Expected Near-term Capital Expenditures

## Water Treatment Capacity Increase

- A new skid of membranes is required within the next 7 years at current rate of population growth.
- Provides operational efficiencies by being able to run different configurations in the winter and summer seasons.
- Works as a backup if one skid requires repairs.
- Estimated cost \$850,000.
- Villages portion with 3-way split is \$283,000.

## East Lift Station Replacement

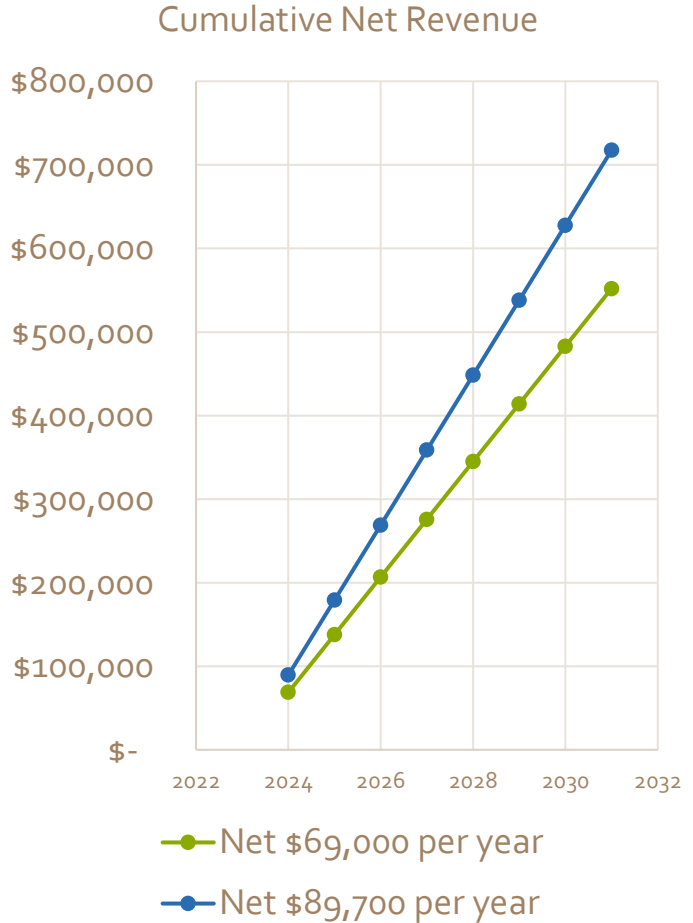
- Actively looking for Federal Grant to cost share this project.
- Currently running very close to capacity during the summer season.
- Will soon prevent issuing new building permits on the east side of the Village.
- Estimated cost \$1,300,000.
- Villages portion with 3-way split is \$433,000.

Capital Expenditure Total is:  $284,000 + 433,000 = \$717,000$

Note: 3-way split is between Federal, Provincial, and Municipal governments.

# Revenue Increases to Match Expenditures

- Current net revenue is \$69,000 per year. This give a cumulative net surplus of \$552,000 after 7 years.
- A 5.2% increase in utility rates provides a net revenue of \$89,700 per year. This gives a cumulative net surplus of \$717,600 after 7 years.
- A cumulative net surplus of \$717,600 covers the Village's portion of the anticipated capital expenditures.
- The longer rate increases are delayed, **the worse it becomes!**



Thank you for your time !!!

Questions ???

