



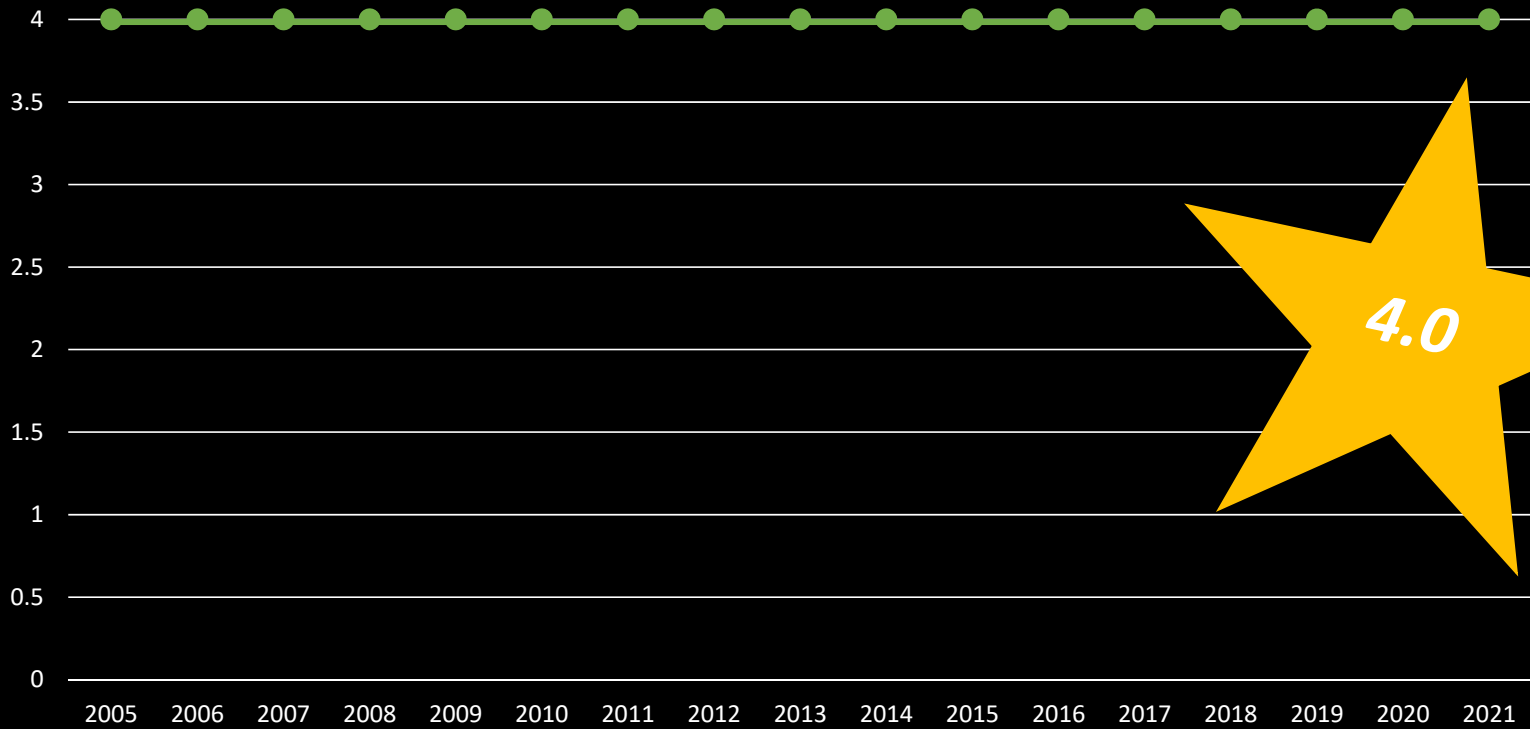
# CMAR

Madison Sewer Utility

# What is CMAR?

- Capacity Maintenance Annual Report.
- Required as part of the Madison Sewer Utility's General Discharge Permit issued by Wisconsin DNR.
- Assesses our level of compliance with permit requirements.
- Two components – Financial and Operations
- Graded on a scale of 0 to 4.0

# Madison Sewer Utility Grade



# What It Means

- We are financially sound and well managed.
- We are planning for replacement and rehab of aging infrastructure.
- We are planning for future growth.
- We are maintaining and operating our system to assure it functions as designed with adequate capacity to convey peak flows.
- We are minimizing sewer back ups and Sanitary Sewer Overflows(SSO) to protect public health and the environment.

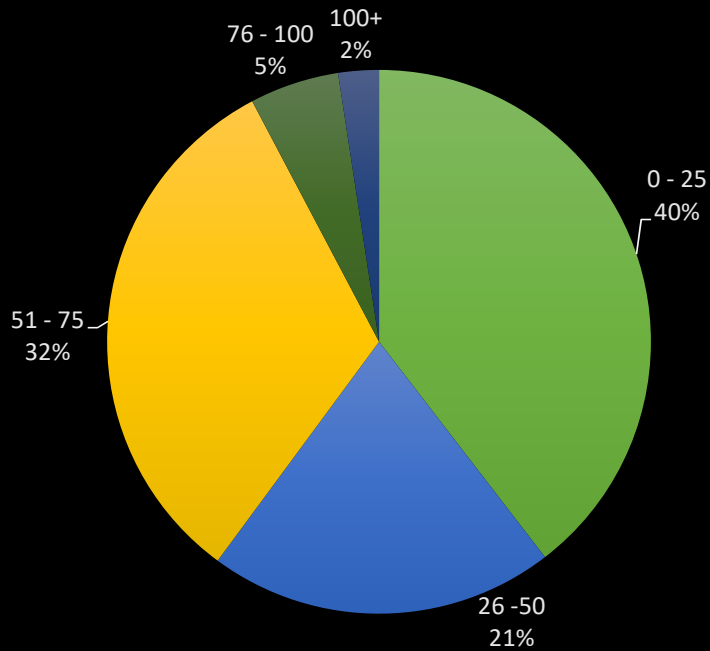
# Collection System

- 799 miles of sewer main
- 19,445 access structures
- 33 lift stations
- 22 MGD wastewater conveyed

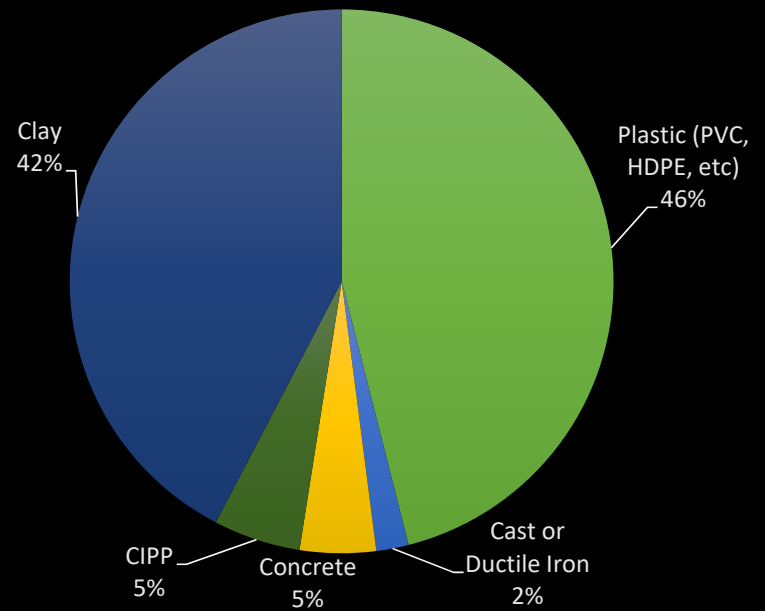


# Pipe Characteristics

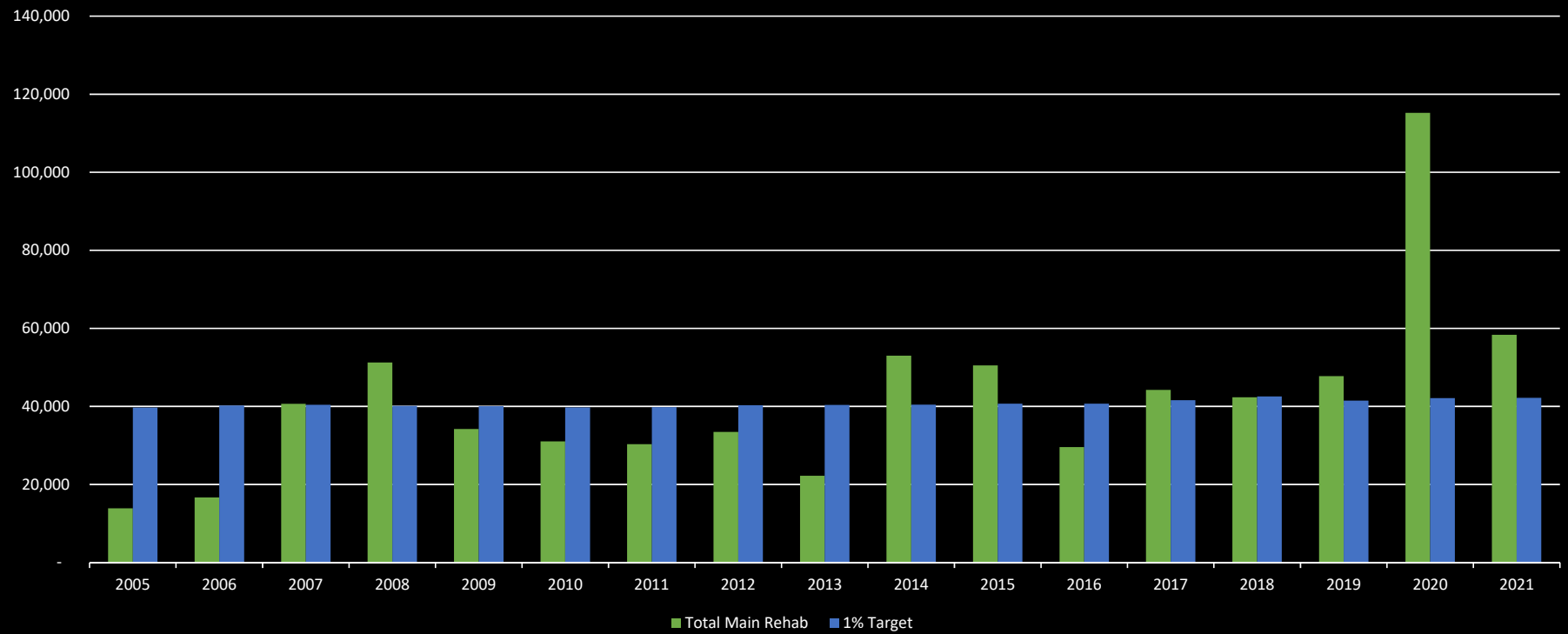
## Age



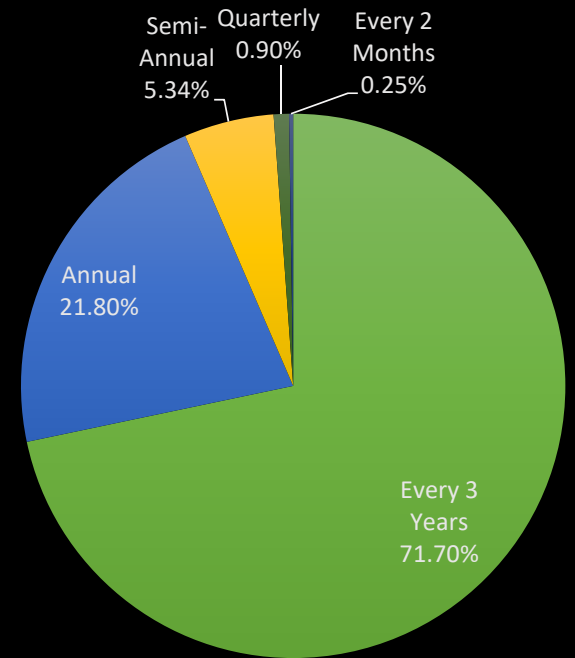
## Material



# Main Replacement and Rehab



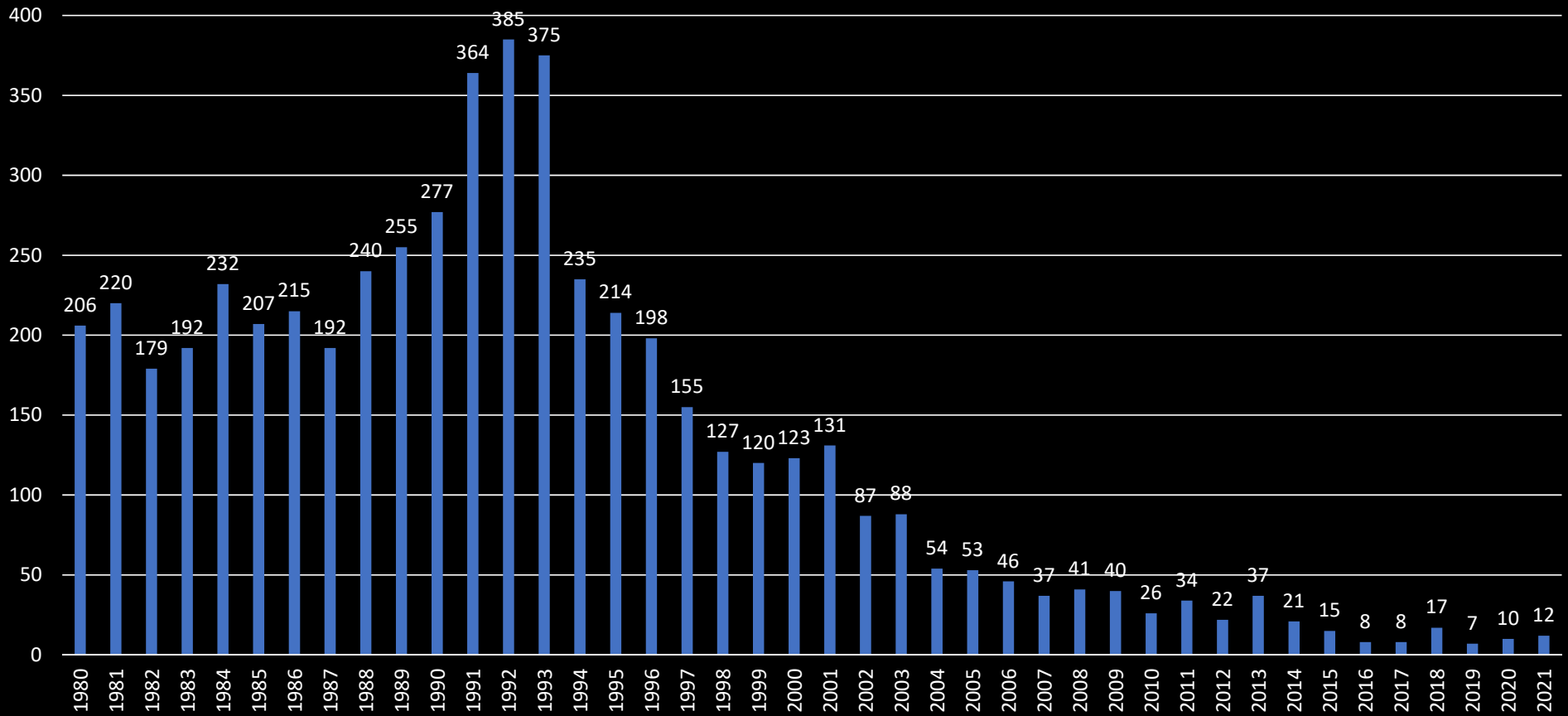
# Preventive Maintenance





# Sewer Main Back Ups

National Standards (City with 800 Miles of Main)  
Emmons Municipal Benchmark- 64 backups  
American Society of Civil Engineers 232 backups



## Post Sewer Back Up/Sanitary Sewer Overflow(SSO)

- Televiser sewer to determine what caused the issue.
- Repair and/or increase cleaning frequency.
- Recommend for reconstruction or rehabilitation (repair work)



Madison had no SSOs in 2021

