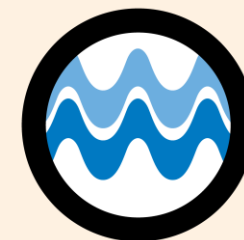


# Windsor Utilities Commission Capital Plan 2021

Presented by Christopher Manzon, P.Eng  
Director, Water Engineering

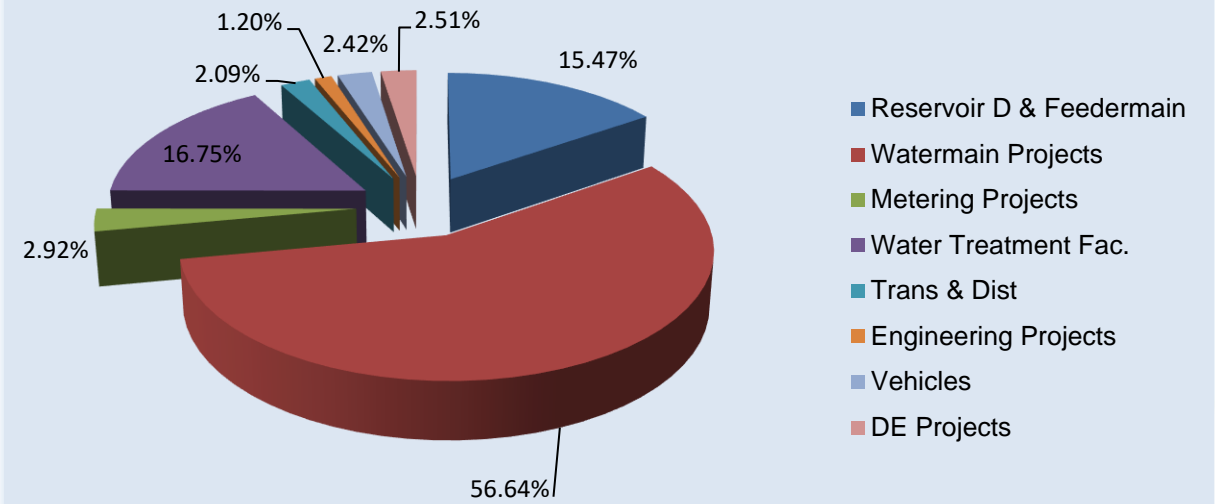


WINDSOR  
UTILITIES  
COMMISSION

# CAPITAL BREAKOUT 2021

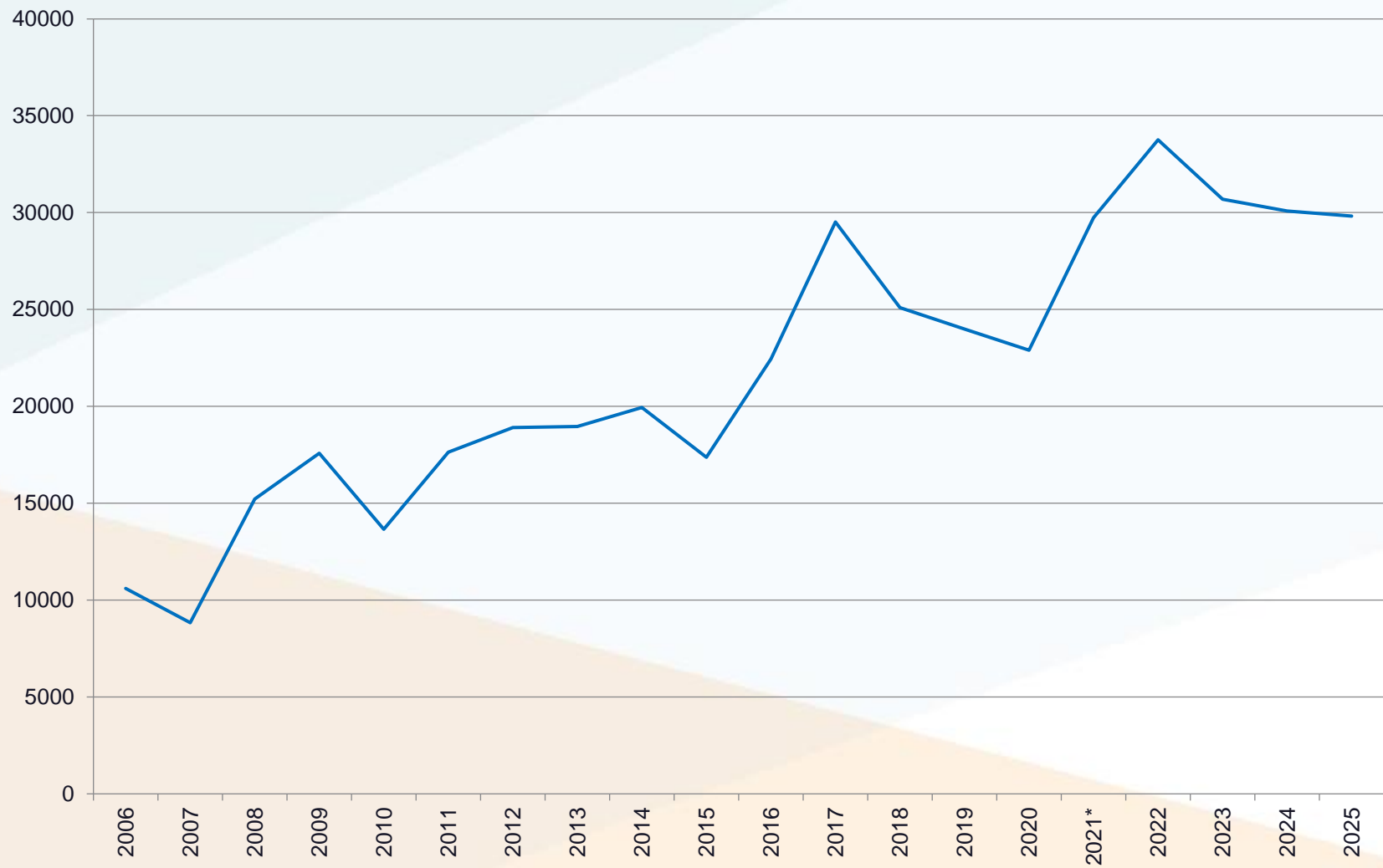
2021 Capital Breakout	
Reservoir D & Feedermain	\$4,600,000
Watermain Projects	\$16,843,000
Metering Projects	\$868,000
Water Treatment Facilities	\$4,981,000
Transmission and Distribution Projects	\$620,000
Engineering Projects	\$356,000
Vehicles	\$720,000
<b>Water Capital Subtotal</b>	<b>\$28,988,000</b>
District Energy	\$745,000
<b>Total WUC Capital</b>	<b>\$29,733,000</b>

WUC Capital Breakdown - 2021 Spending



# WUC CAPITAL SPEND

## Capital Spending



# PROPOSED 2021 WATERMAIN SYSTEM RENEWAL PROGRAM

TOTAL WUC PRIORITY PROJECTS \$ 7.659 Million



TOTAL ROAD OPERATIONS PROJECTS \$ 3.523 Million



TOTAL SEWER / ROAD PROJECTS \$ 2.88 Million



TOTAL MAJOR ROAD PROJECTS \$ 2.781 Million



***GRAND TOTAL*** ***\$16.843 Million***

***2021 WATERMAIN RENEWAL PROGRAM***



# WINDSOR UTILITIES COMMISSION WT/DEW/DISTRIBUTION/METERING

## **Water Treatment - \$4.981M**

Refurbish Ozone generator #1 and #2, replace SCADA server infrastructure, filter bed #8, settler condition assessment, rehab chemical feed equipment, filter effluent valves, actuators and UPS system, water SCADA Network upgrade, fluoride implementation.

## **District Energy Windsor - \$745K**

SCADA software/hardware update, ETS equipment replacement, valve replacement, heat exchanger replacement, chiller plant in customer building and road valve replacement.

## **Water Distribution - \$620K**

Maintenance of hydrants, valves and services.

## **Water Metering – \$868M**

Continuing to replace/install water meters.

## **Water Engineering - \$356K**

New GPS equipment.



# WINDSOR UTILITIES COMMISSION REHAB OF RESERVOIR 'D'



The reservoir was taken out of service, drained and cleaned in 2019, in order to complete an inspection. The inspection was completed during this period for the condition assessment of the reservoir. Based on the recommendations, the rehabilitation work will be tendered for completion in 2021.



# WINDSOR UTILITIES COMMISSION SCHEDULE – RESERVOIR ‘D’ REHAB

Q1 2021	<ul style="list-style-type: none"><li>• Tender of rehabilitation work</li></ul>
Q2 2021	<ul style="list-style-type: none"><li>• Award of rehabilitation tender and project initiation</li></ul>
Q4 2021	<ul style="list-style-type: none"><li>• Completion of rehabilitation project</li></ul>

