

# FINANCIAL PLAN – INFRASTRUCTURE 2017-2037 PROJECTIONS

Presentation to Council  
Capital Budget Seminar  
October 20<sup>th</sup>, 2016

Revised for presentation at General Committee of Council  
February 19<sup>th</sup>, 2018



# PURPOSE OF THIS PROJECTION

- Provide an estimated annual investment projection of capital over the next 20 years to:
  - Rebuild or Replace the City Infrastructures based on industry standards for life expectancies
- This analysis does not incorporate special projects
- The dollar amounts are fixed and based on actual 2016 values

# CONTENTS

- Roads, Sidewalks, Traffic & Street Lights
- Water
- Sewers
- Buildings
- Vehicles
- Parks
- Hydro Westmount (electrical distribution)
- Information Technologies (IT)
- Summary

# ROAD RECONSTRUCTION INVESTMENT

Period of Intervention	Length (m)	Area (m <sup>2</sup> )	Value of Work
Prior to 2016 (backlog)	8,030	80,920	\$ 30,102,200
2017 to 2036	8,410	88,240	\$ 32,825,300
TOTAL	16,440	169,160	\$ 62,927,500

- Investment over 20 years
  - Average annual investment: \$3.15 Million
  - Average annual quantity: 820m or 8,460 m<sup>2</sup>
  - Includes sidewalks & street lights

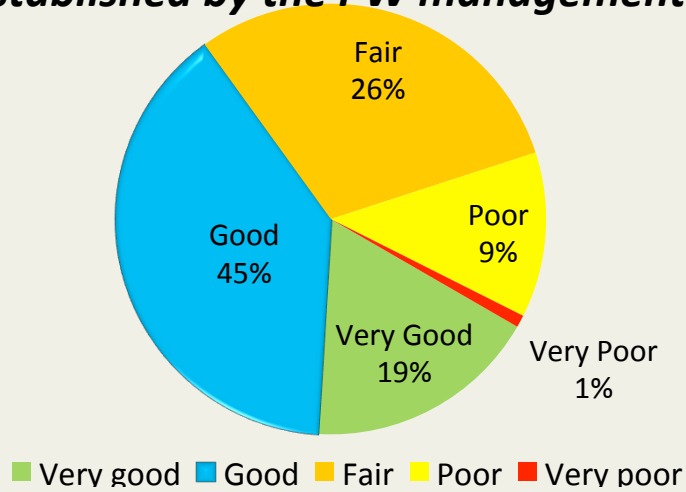
# ASPHALT RESURFACING INVESTMENT

Period of intervention	Length (m)	Area (m <sup>2</sup> )	Value of Work
Prior to 2016 (backlog)	21,460	187,300	\$ 16,665,600
2017 to 2036	15,720	135,800	\$ 12,085,900
TOTAL	37,180	323,100	\$ 28,751,500

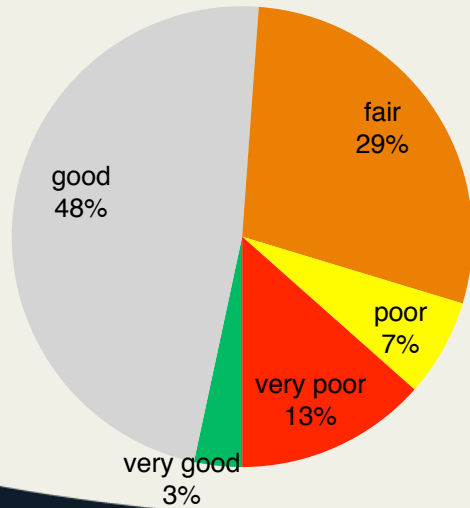
- Investment over 25 years
  - Average annual investment: \$1.15 Million
  - Average annual quantity: 1,490 m or 12,920 m<sup>2</sup>
  - Includes partial reconstruction of sidewalks

## Driving Quality - 2014 Rating

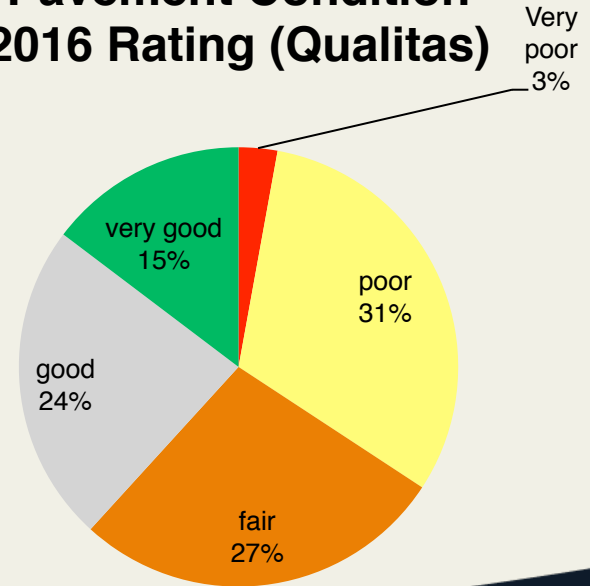
*(Rating established by the PW management staff)*



## Driving Quality 2016 Rating (Qualitas)

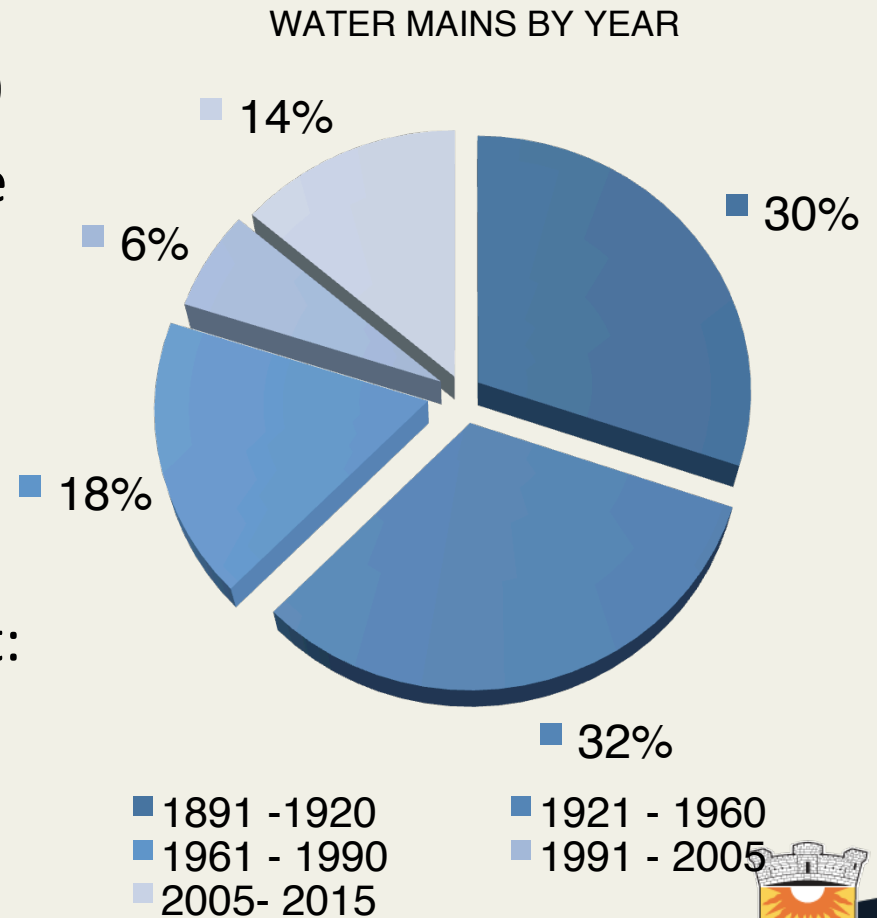


## Pavement Condition 2016 Rating (Qualitas)



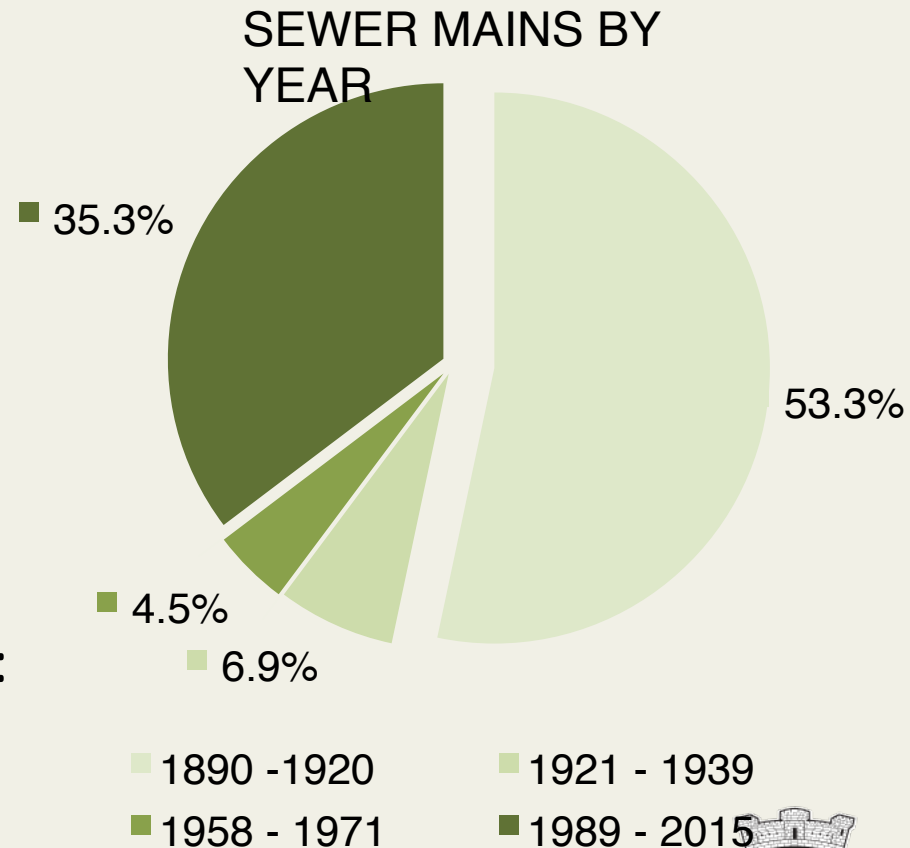
# WATER MAIN INVESTMENT

- An investment of \$ 57M
  - 63% of water mains (36km)
  - \$ 10.3M is urgent & eligible for a subsidy
    - 5.3 km of mains (total)
    - Annual subsidy: \$ 1M
- Investment over 20 years
  - Average annual investment: \$2.85M
  - Average annual quantity: 1,890 m



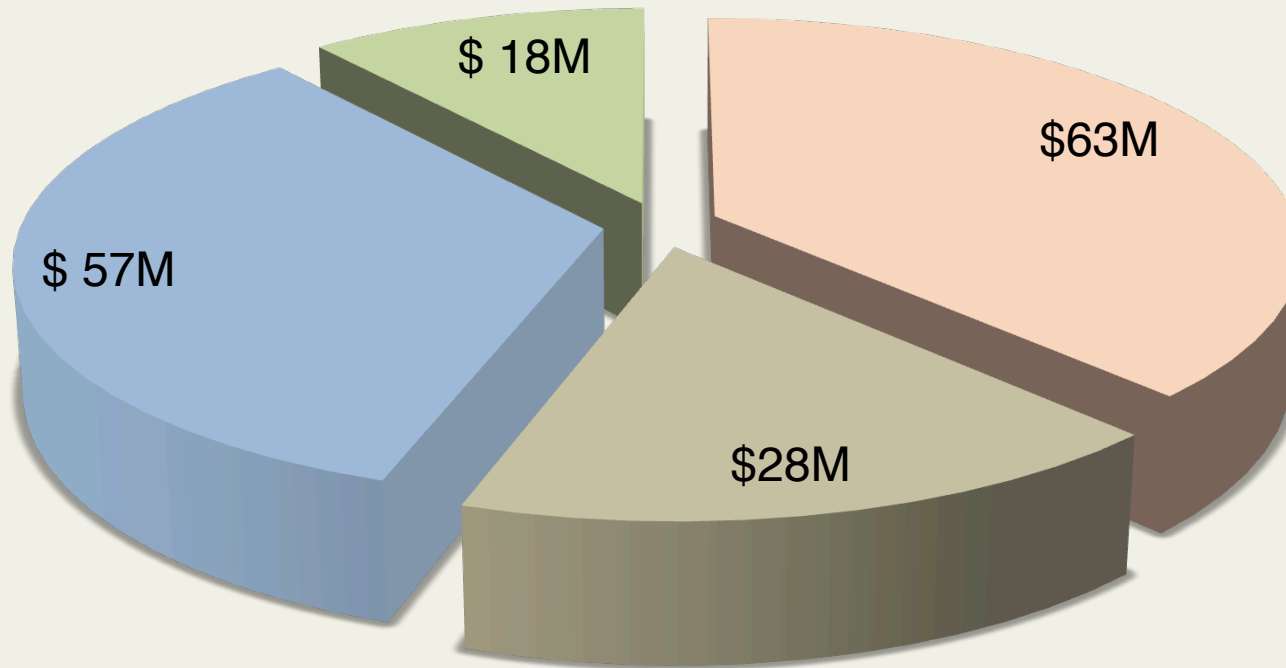
# SEWER INVESTMENT

- An investment of \$ 18M is required
  - 59 % of sewers (34km)
  - \$ 3.3M is urgent & eligible for a subsidy
    - 9.6 km of mains (total)
    - Annual subsidy: \$200K
- Investment over 30 years
  - Average annual investment: \$0.6M
  - Average annual quantity: 1,200 m





# REQUIRED ROAD & WATER INVESTMENTS FOR 20 YEARS



- Road Reconstruction
- Asphalt Resurfacing
- Water Main Reconstruction & Rehab
- Sewer Rehabilitation

# TRAFFIC & STREET LIGHTS

- 2015 Budget: \$238,000
- 2016 Budget: \$250,000
- 2017 Budget: \$460,000 (Ste-Catherine project only)
- 2018 Budget: \$293,000
  
- Projected average for the next 20 years: **\$250,000**
- Ongoing investments solely for replacement and upgrade of traffic and street lights
- Does not take into account special projects (Ste-Catherine)

# BUILDINGS

- Study based on the value of buildings (as per the City's insurance) and their depreciation rate
- Does not include special projects
- City may decide to sell/dispose of certain buildings over the next 20 years

# BUILDINGS

2016 Total Estimated value of City Buildings (27): \$131,600,000

Yearly Depreciation Charge :	\$3,159,000 (**)
• Minus yearly oper. charges	-\$350,000

**Total yearly capital investment: \$2,809,000 (\*\*)**

# VEHICLES

- 2016 Budget: \$910,000
- 2017 Budget: \$1,010,000
- 2018 Budget: \$1,330,000
  
- Projected average for the next 20 years: **\$950,000**
  
- Study based on actual fleet (no new addition), replacement value and projected year of replacement of each vehicle

# PARKS

- 2014 Budget: \$334,000
- 2015 Budget: \$544,000
- 2016 Budget: +/--\$415,000 (excluding Summit Circle project)
- 2017 Budget: +/--\$650,000 (excluding Summit Circle project)
- 2018 Budget: \$595,000
  
- Projected average for the next 20 years: **\$400,000**

# HYDRO WESTMOUNT

Yearly Investments Required (20 years)

Equipment & Overhead Wires: \$908,000

Underground infrastructure: \$1,581,000

**TOTAL \$2,489,000**

- Underground infrastructure: conduits, manholes & underground cables
- Investments based on life expectancies of equipment

# IT

- 2014 Budget: \$340,000
- 2015 Budget: \$352,000
- 2016 Budget: \$554,000 (excluding Pay-by-plate)
- 2017 Budget: \$529,400
- 2018 Budget: \$642,150
  
- Projected average for the next 20 years: **\$400,000**

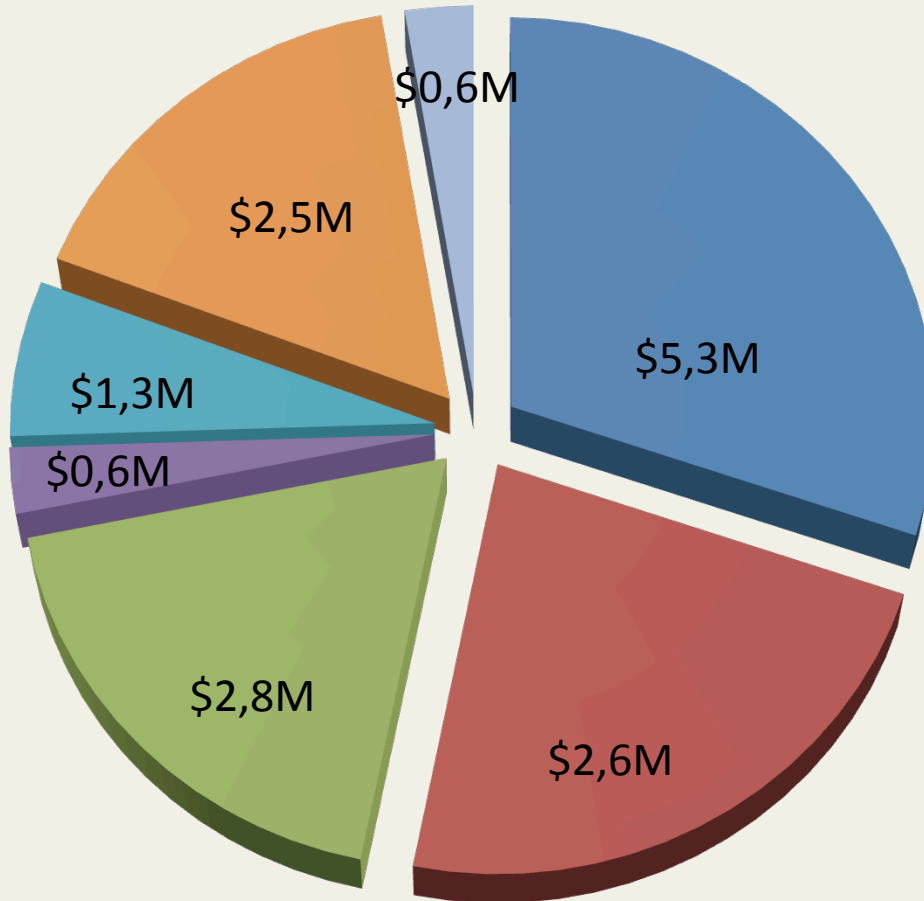


# SUMMARY

PROJECTED 20 YEAR INVESTMENTS				
CATEGORY	20 Year Average Investment	2016 Budget	2017 Budget	2018 Adopted Budget
Roads, Sidewalks, Traffic & Street Lights	\$5,073,400	\$4,926,200	\$5,676,700	5 296 500
Water + Sewers	\$3,450,000	\$2,399,200	\$3,378,700	2 608 600
Building	\$2,809,400	\$993,200	\$1,823,700	2 800 500
Parks	\$401,600	\$1,024,500	\$1,155,000	595 000
Vehicles	\$950,000	\$910,300	\$1,010,000	1 330 000
Hydro Westmount (Electrical distribution only)	\$2,489,400	\$2,690,000	\$2,335,000	\$ 2 515 000
Information Technologies	\$400,000	\$554,000	\$529,400	\$ 642 150
Train Station & Southeast Sector			\$125,000	
Pay-by-plate		\$1,000,000		
TOTAL (without subsidies)	\$15,573,800	\$14,497,400	\$16,033,500	\$ 15 787 750
Subsidies (see notes)	TBD	\$1,250,000	\$1,879,000	\$ 1 681 700
TOTAL (with subsidies)	TBD	\$13,247,400	\$14,154,500	\$ 14 106 050
Notes				
The 20 year average investment amounts do not include special projects				



# SUMMARY



- Roads, Sidewalks, Traffic & Street Lights
- Water + Sewers
- Building
- Parks
- Vehicles
- Hydro Westmount (Electr. Distr. Only)
- IT

Thank you / Merci



VILLE DE | CITY OF  
WESTMOUNT