

# Asset Management Plan

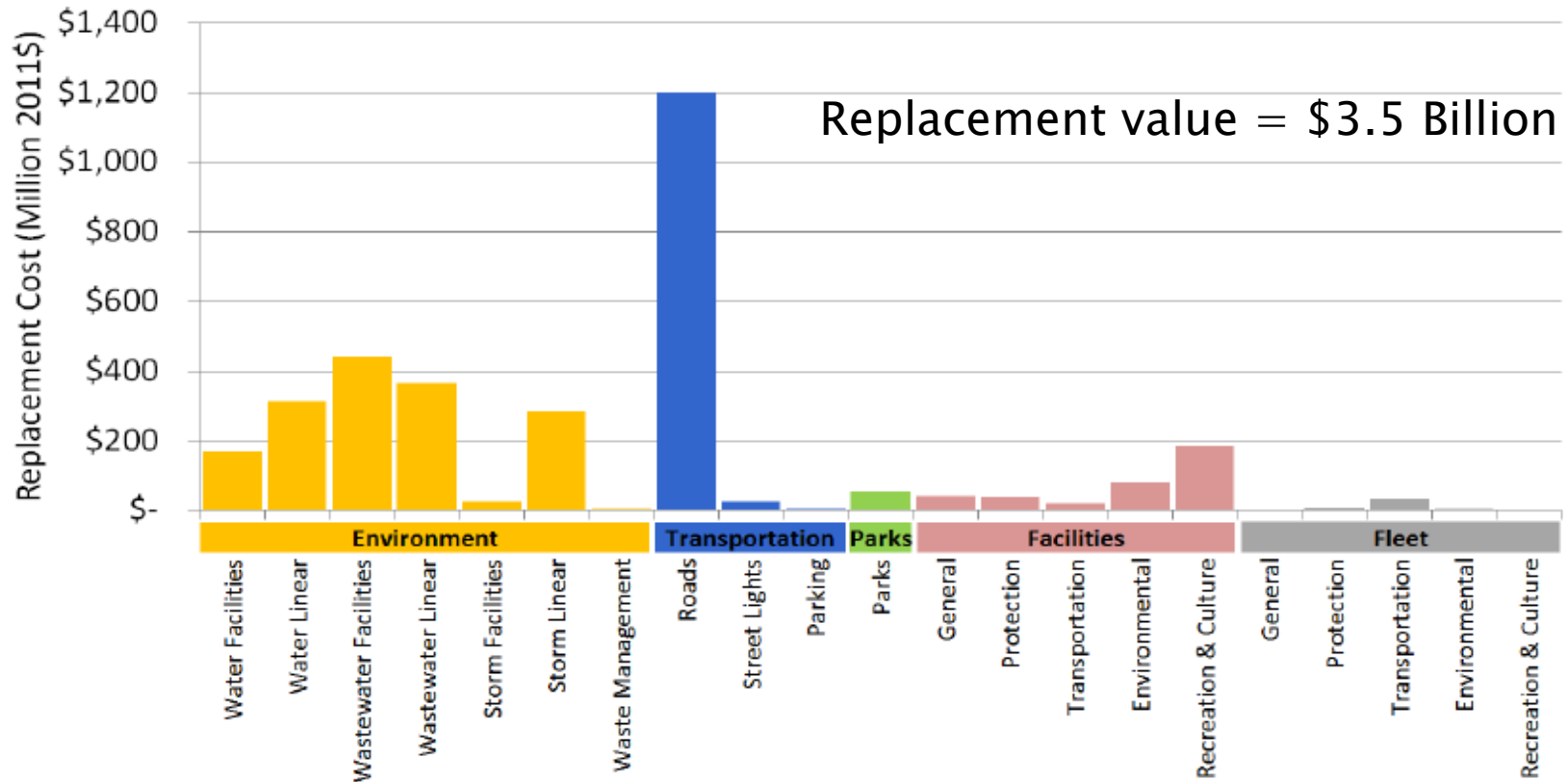
Budget Workshop  
February 10, 2015

# Overview

- State of Our Infrastructure
- Investment
- Risks
- Plan for Moving Forward

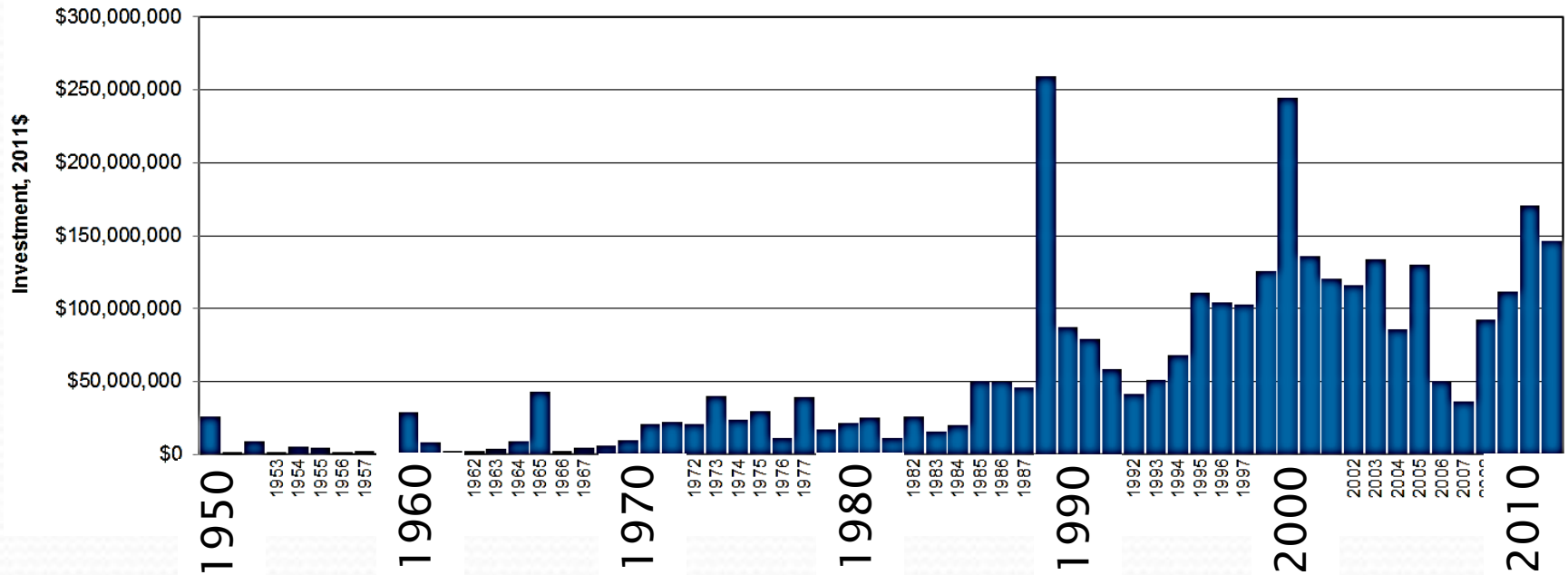
# Value of Our Assets

Figure 1 Asset Portfolio, by Replacement Value in 2011\$



# Installation History

Figure 2-7 Asset Installation Profile



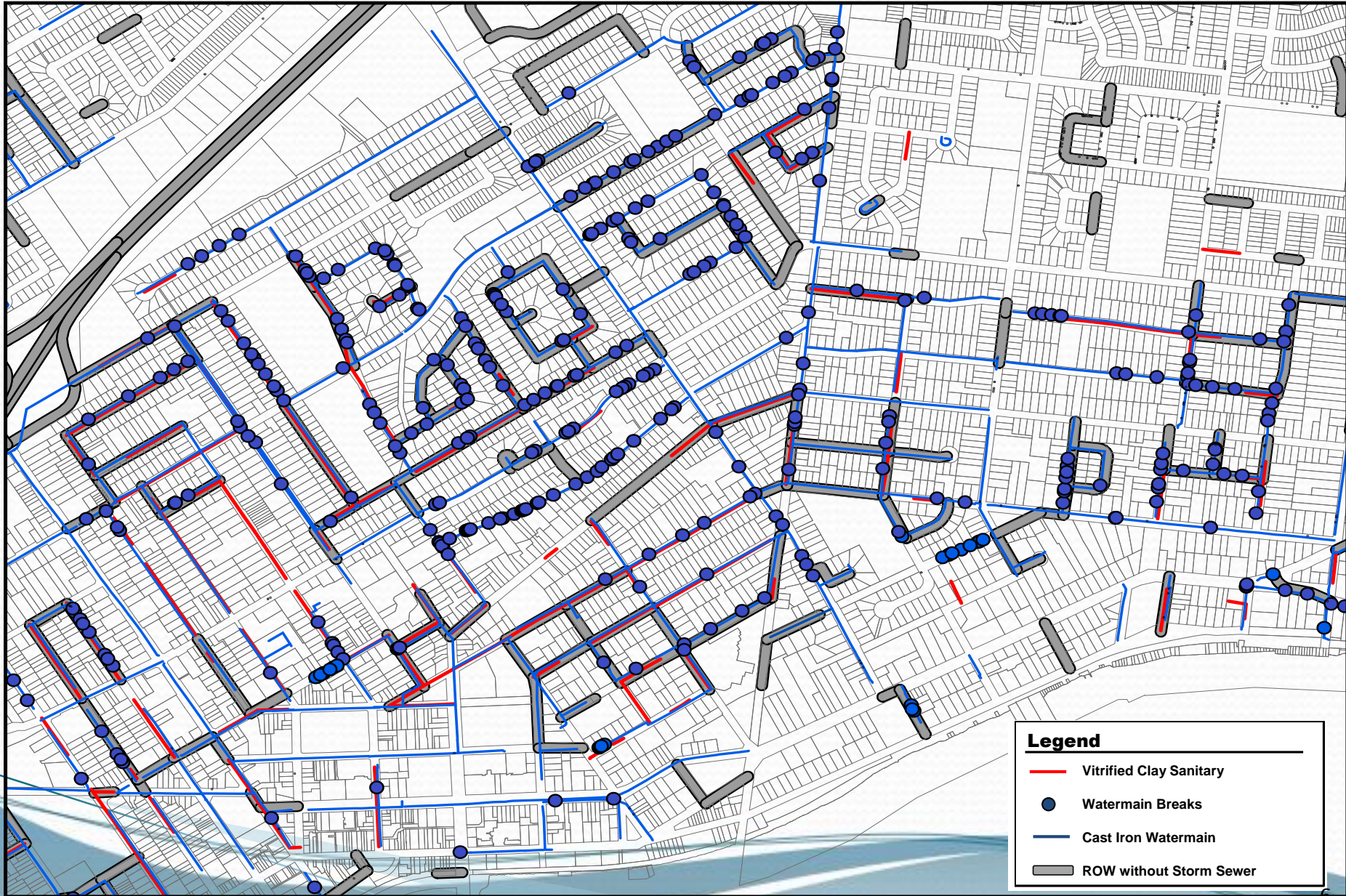
CLIENTS | PEOPLE | PERFORMANCE



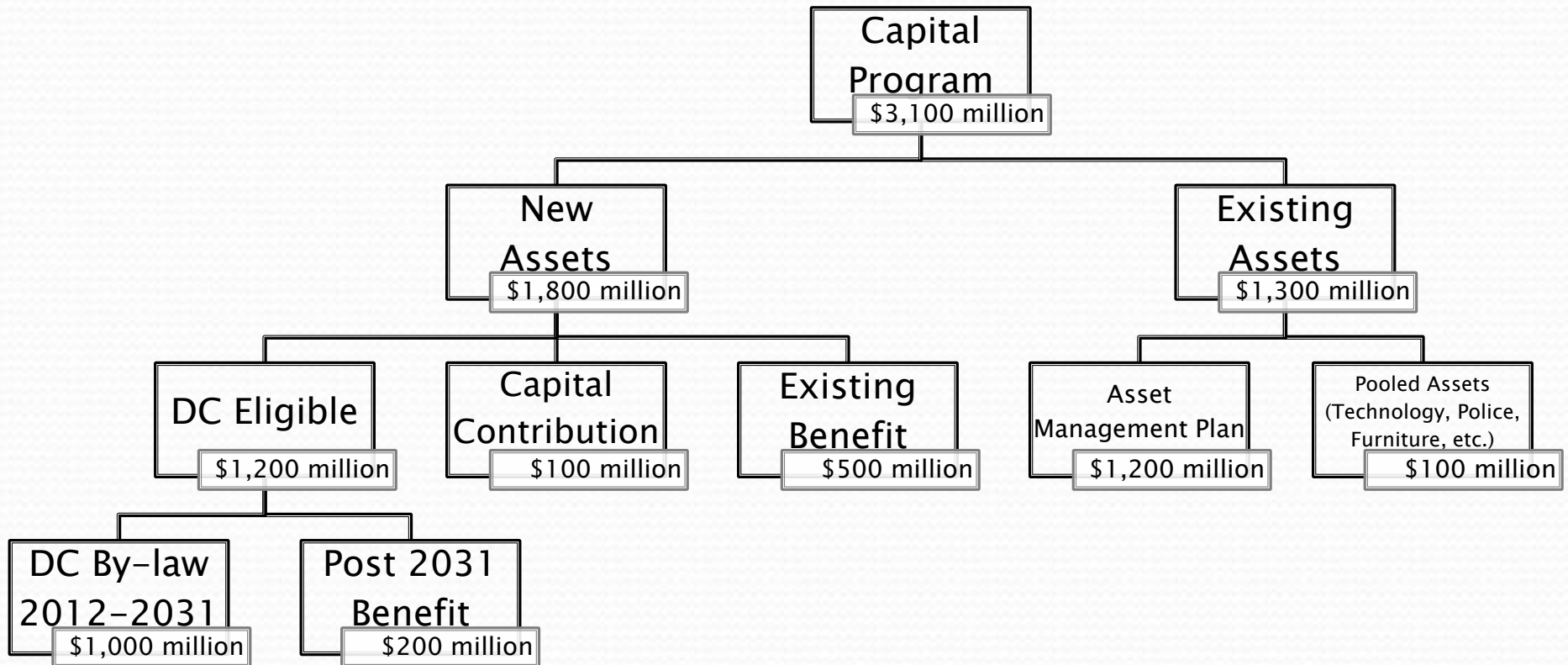
# State of Our Infrastructure

| Asset Type     | Typical Life years          | Total  | Description   |
|----------------|-----------------------------|--------|---|
| Roads          | 15–25 surface<br>45–75 base | 595 km | 90 km poor condition (e.g. Gunn Street, Morrow Road)                                |
| Water main     | 85 average                  | 624 km | 57 km cast iron & galvanized  |
| Sanitary sewer | 85 average                  | 537 km | 34 km clay, another 61 km in poor condition<br><br>600–700 properties with no sewer |
| Storm sewer    | 85 average                  | 397 km | 19 km poor condition<br><br>120–150 km with no storm pipe                           |

# State of Infrastructure Example

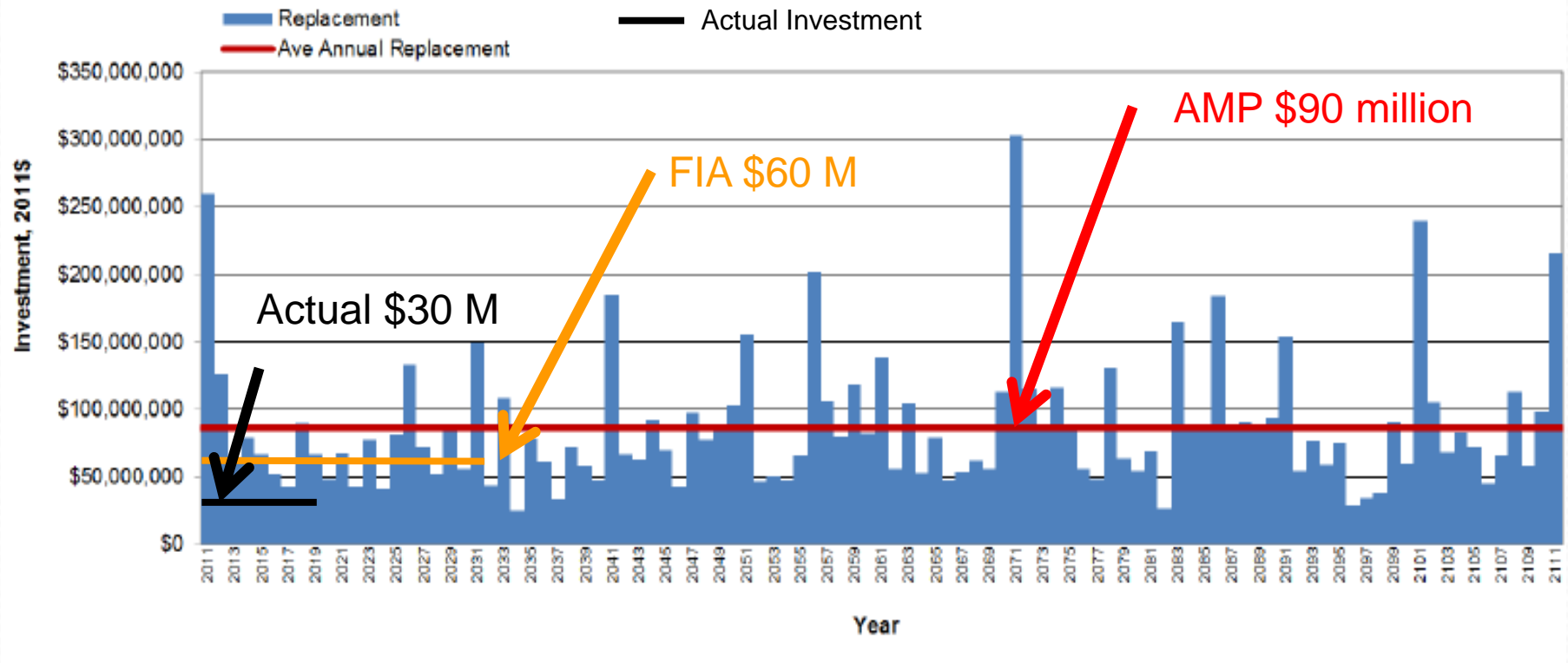


# Capital Forecast (20 years)



# Level of Investment

Figure 7-1 Forecast Asset Renewal Investment – Corporate





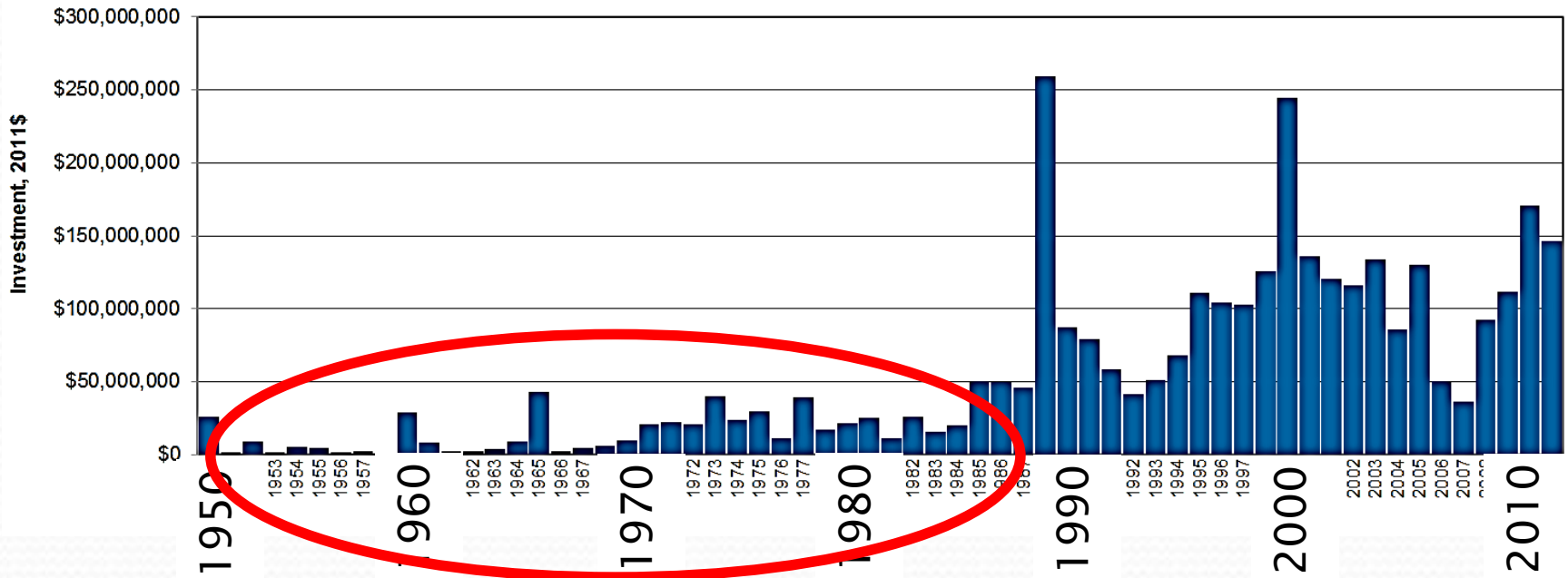
# Increasing Trend of Asset Failure

- ▶ Starting to see a trend
- ▶ Roads are aging
- ▶ Increasing water main breaks
- ▶ More emergency work (more costly than planned work)

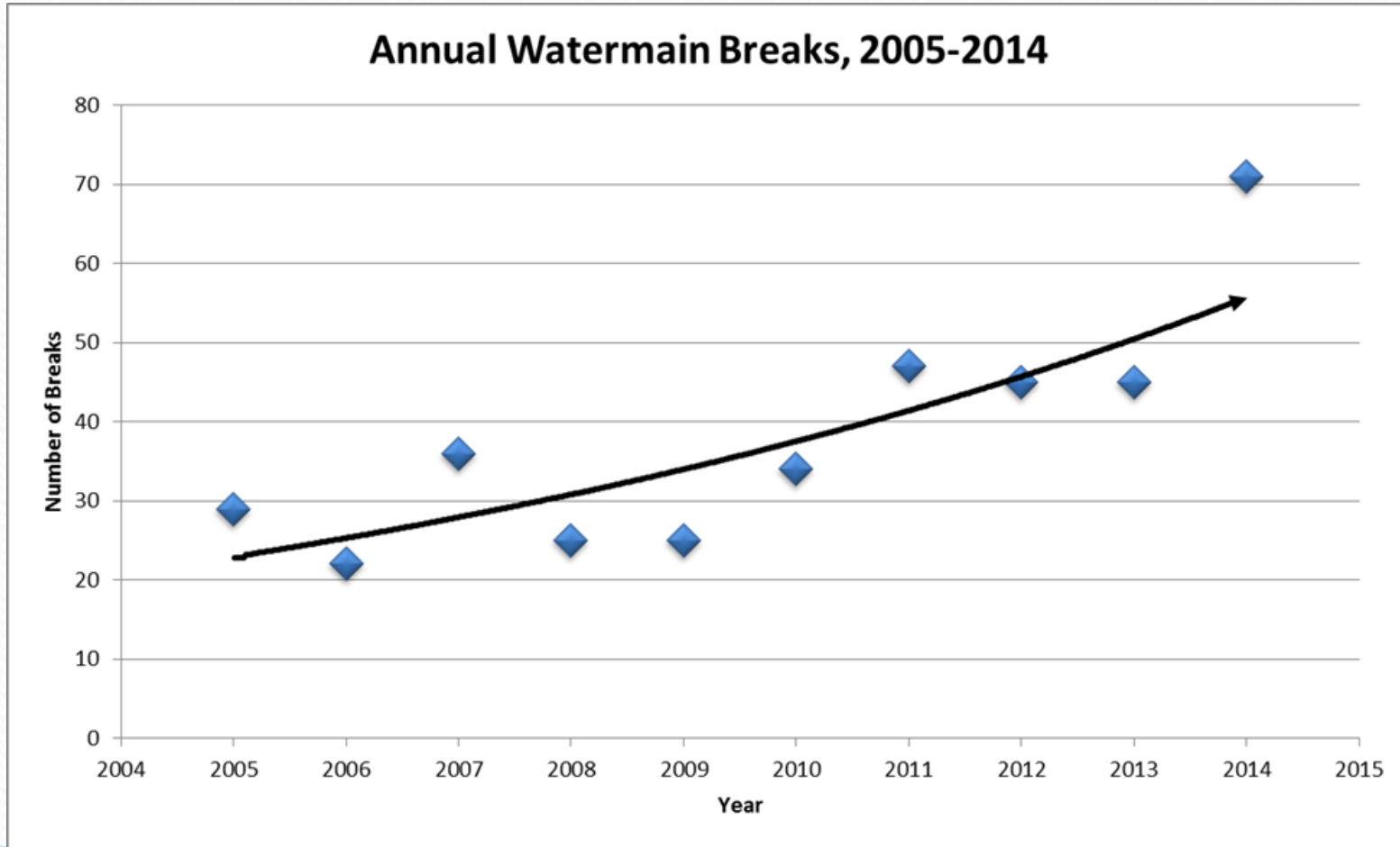


# The Pig in the Python

Figure 2-7 Asset Installation Profile



# Watermain Break Trend



# Thompson Street Water Main



# Rodney Street Sanitary Sewer



# Johnson's Beach Storm Sewer



# Plan for Moving Forward

- ▶ Proactive approach
- ▶ Corporate Asset Management Plan
- ▶ Prioritize through annual budget process
- ▶ Strategies & best practices
  - Condition assessment and data analysis
  - Lifecycle costing and risk assessment
  - Extend infrastructure life (e.g. road rehabilitation, cathodic protection, line pipes)
  - Neighbourhood Renewal Program
  - Developing new programs (e.g. Cast Iron & Galvanized Watermain Replacement, Sewer Lining)

# Questions



The City of  
**BARRIE**