

# Asset Management Planning

Function 313

*Black Creek-Oyster Bay WLSA*

# AECOM Scope:

1. Corporate wide asset management (AM) policy
2. AM strategy for water and wastewater services
3. Individual AM plans for water, sewer and solid waste services



*Asset Management for Sustainable Service Delivery- A BC Framework*

# BCOB Asset Management Plan:

- Development of comprehensive inventory for all BCOB assets –
  - Source water wells, water mains, treatment plant, booster pump station and reservoir
- Replacement schedule developed based on expected service life, condition, criticality and risk

# Expected service life

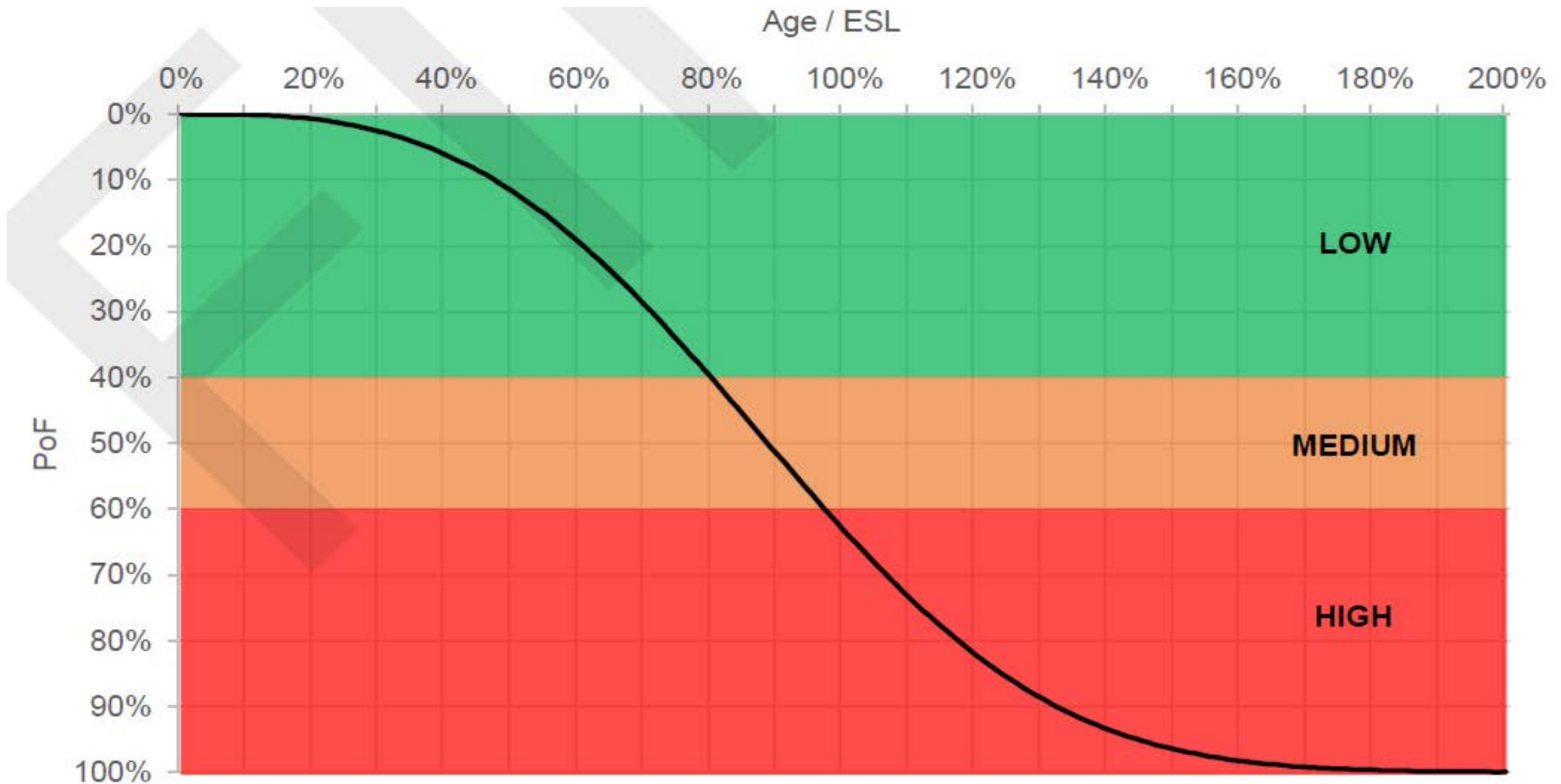
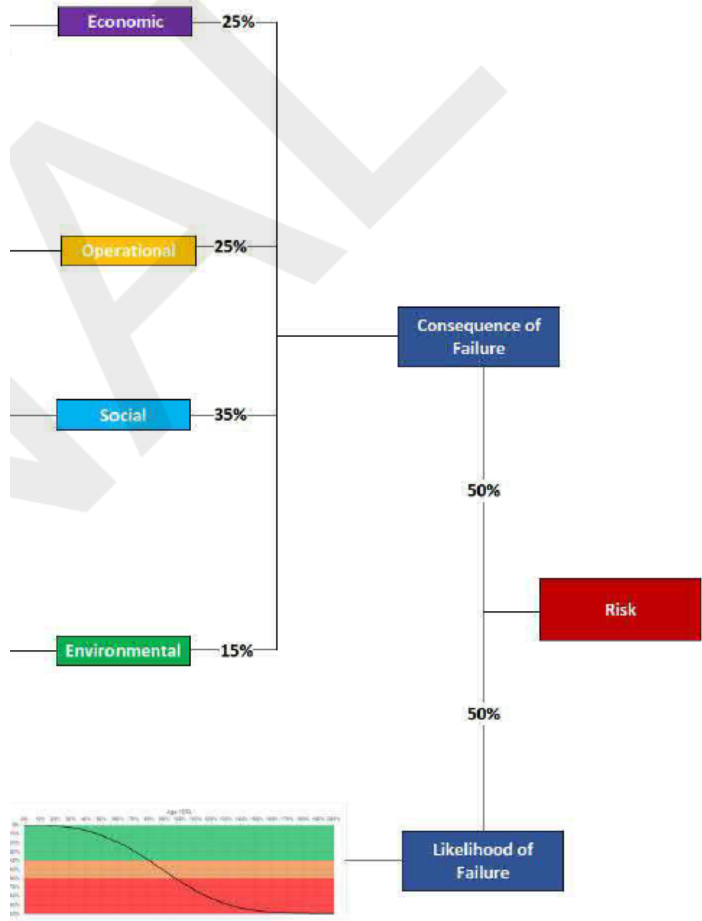
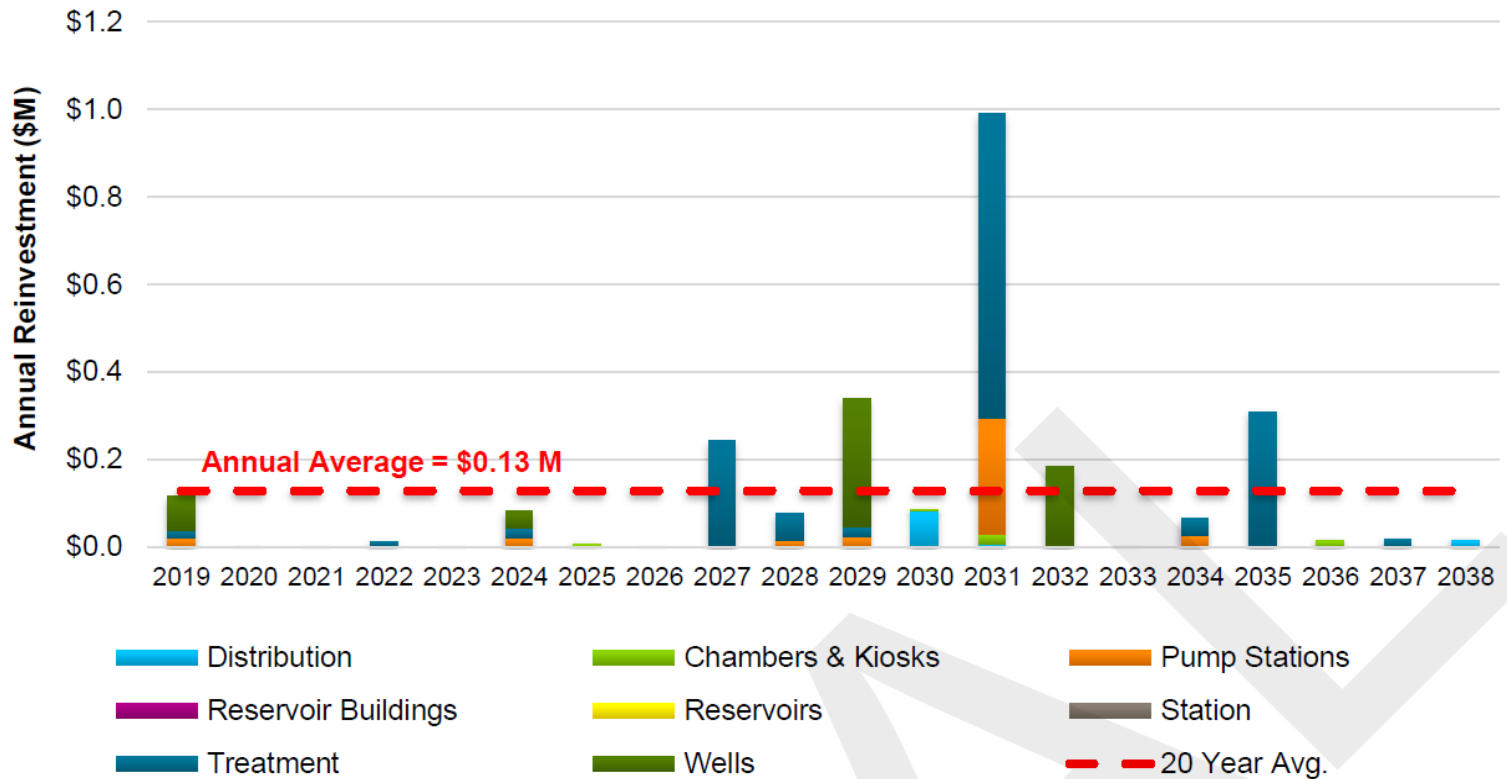


Figure 8 – PoF versus Asset Life Span Consumed

# Asset Risk

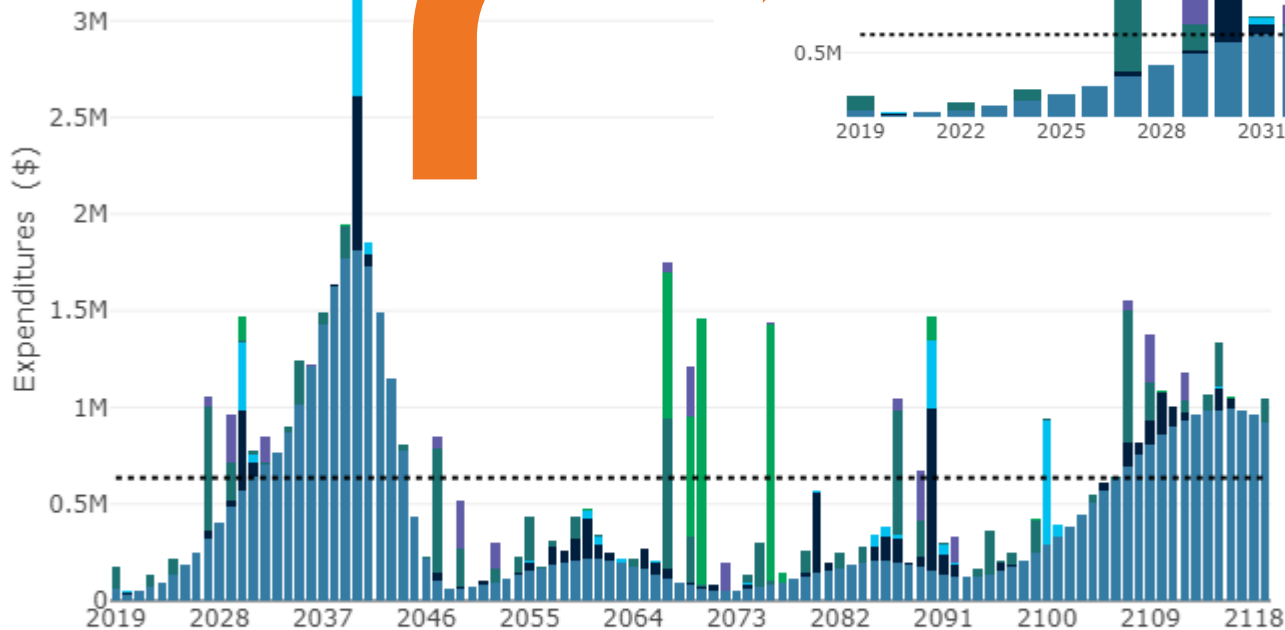


# Asset Replacement Schedule



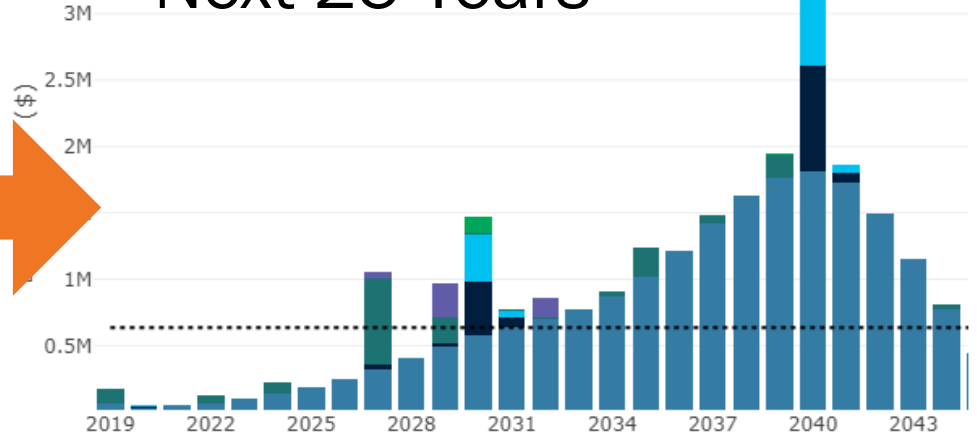
# Asset Replacement & Rate Reviews

100 Years



- Pipes
- Hydrant
- Structures
- Valves
- Equipment
- Pumping

Next 25 Years



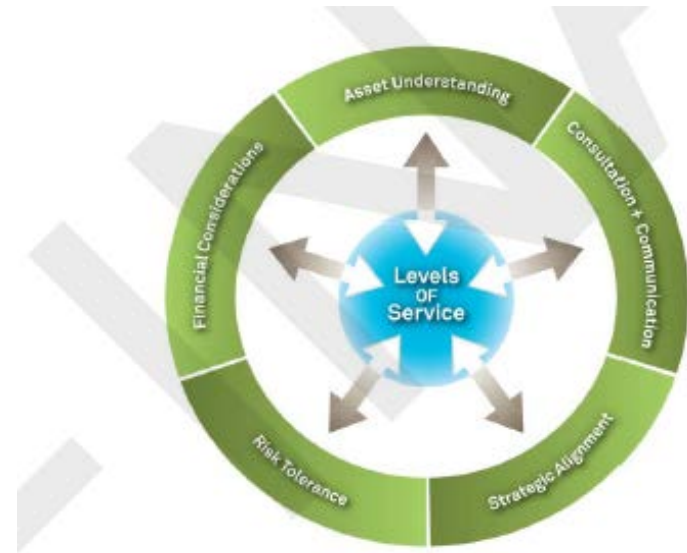
# AECOM AM Plan Recommendations

1. Reinvestment funding levels 2019-2038
2. Establish a dedicated capital reinvestment/  
reserve fund
3. Replace urgent/ high risk assets
4. Implement CMMS and DSS software
5. Levels of service and NWWBI
6. Standardize, update and improve data
7. Formalize role of asset manager



# Staff Report Recommendations

- 5 per cent rate increase effective April 1, 2020 as interim measure



# Next Steps

2019

- Approve 5 per cent user rate increase as interim measure
- Provide newsletter as part of January bill for service updating on AM and rate increase
- Hire Manager of Asset Management
- Continue procurement of CMMS software

2020

- Adopt corporate asset management policy
- Present comprehensive rate review for water services

2021

- Implement rate increases
- Continue updating and utilizing asset inventory for asset replacement and financial planning process