



CASE STUDY

## CITY OF RICHMOND, BC

TECHNOLOGY TYPE

ASSET SUSTAINABILITY

ADVISORY SERVICES

CAPITAL CREATION STRATEGIES™ (CCS)  
DISASTER MITIGATION UPGRADES (DMU)

POPULATION PROTECTED

**208,000**

CAPITAL COSTS FOR DMU UPGRADES

**\$24.95**  
MILLION

CAPITAL CREATION STRATEGY SAVINGS  
REALIZED IN YEAR ONE:

**\$16,633,333**

## SUMMARY

Richmond is an island City approximately one meter above sea level that is protected by 49 kilometers of dikes and managed by 39 drainage pump stations. It is imperative that the City continuously upgrade infrastructure to meet the effects of climate change including rising sea level, increased intensity of storms, and risk of flooding. As part of the DMU, Ameresco will provide Capital Creation Strategies™ to Richmond to enable them to rebuild four aged pump stations and enhance 1,750 meters of the north dike.



## SERVICES PROVIDED

Ameresco advised The City of Richmond in developing the Capital Creation Strategy™ business case that resulted in capital investment from senior levels of government to support the City's disaster mitigation projects. This resulted in a 66% capital savings in year one for the City, and a ~55,000% ROI for Ameresco's services.

## CUSTOMER BENEFITS

The upgrade and improvement of the City's drainage pump stations that are part of the DMU are essential in:

- Protecting ~200,000 residents, municipal, Provincial and Federal infrastructures, and major shipping routes
- Reducing the potential for economic loss in the agriculture sector
- Consistently following the Goal and Guiding Principles of the National Disaster Mitigation Strategy
- Generating new business opportunities and new jobs for Canadians
- Complying with all necessary accessibility requirements
- Impacting the local economy by ~\$33.9 million
- Protecting over 13,000 businesses and their 140,000+ workers from job loss

For the full story, visit: [ameresco.com](http://ameresco.com)