



Integrated Stormwater Management Plan

Regulatory Review & Financing Options

ISMP COMPONENTS

Guiding Document, Roadmap, and Public Engagement Plan

- Guiding Document with key messages
- Public Engagement Plan
- Action Plan Roadmap

TWP #1 - Technical Background

TWP #2 - Engineering & Asset Management Issues

TWP #3 - Policy and Regulations

- · Review Plans, Bylaws, Fines, Authority and Enforcement
- Gap Analysis and Peer Municipal Comparison

TWP #4 - Financial Options

- · Review Previous funding initiative
- Summary of other Municipal Stormwater financing models

Guiding Document and Action Roadmap Presentation to Council (Aug 30, 2021)

Public Engagement (September 2021)

PRESENTATION OUTLINE

- Technical Working Paper #3 Policy & Regulatory Review
- Technical Working Paper #4 Financing Options
- 3. Next Steps

POLICY & REGULATORY REVIEW

BYLAW COMPARISONS

- Kelowna
- Kamloops
- Nanaimo
- Squamish
- Whistler
- City of North Vancouver
- District of West Vancouver
- Vancouver
- Abbotsford
- Chilliwack
- Maple Ridge

- Langley
- Comox
- Courtney
- Surrey
- Saskatoon
- Calgary
- Edmonton
- Guelph
- Kitchener
- Sudbury
- Thunder Bay



PROHIBITED DISCHARGES & COST RECOVERY



MORE INTENSE RAINFALL



OIL & GRIT ISSUES









CITY OF PRINCE GEORGE





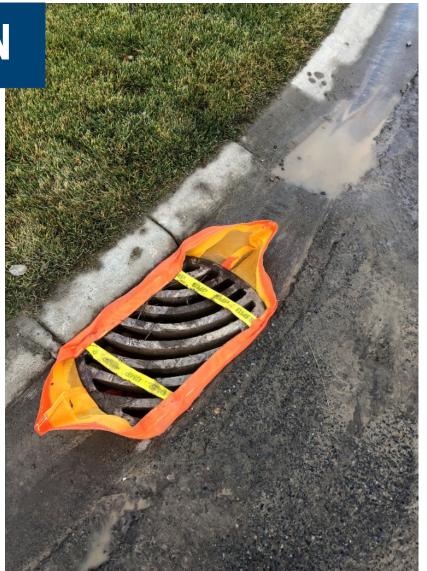


SEDIMENT & EROSION



SEDIMENT REDUCTION



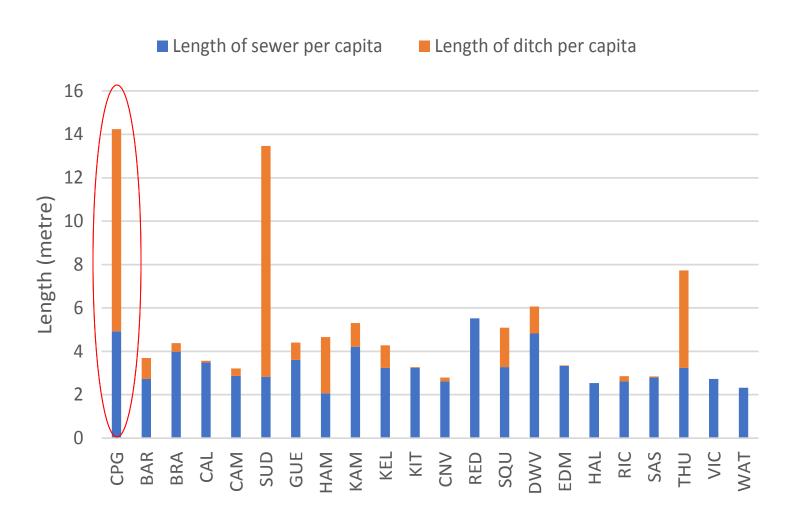


PRIVATE DRIVEWAY CULVERT OWNERSHIP



FINANCING OPTIONS

INVENTORY COMPARISON



FUNDING: EXISTING vs NEEDED

			Budget	Average			
	2016	2017	2018	2019	2020	2021	
Renewal	\$1,425,683	\$3,087,343	\$2,514,895	\$1,079,798	\$505,307	\$1,940,596	\$1,758,937
Upgrades	\$0	\$66,441	\$1,719,250	\$167	\$0	\$0	\$297,643
New – not DCC funded	\$1,208,170	\$21,402	\$1,739,037	\$586,157	\$42,405	\$1,900,000	\$916,195
O&M	\$1,178,461	\$1,734,648	\$1,664,428	\$1,701,389	\$1,934,164	\$1,791,669	\$1,667,460
Total	\$3,812,314	\$4,909,834	\$7,637,610	\$3,367,512	\$2,481,876	\$5,632,265	\$4,640,235

Stormwater Expenditure Type	Annual Funding Needs	Supporting Information
Renewal	\$4,400,000	AAR from Power Plan/BUILDER + pond sediment removal
Upgrades	\$1,000,000	Highest priority WDP upgrade projects over 10 years
New – not DCC funded	\$0	Assume development pays for dev't related works
Planning Studies	\$185,000	New/revised WDP every 2nd year, updated Design Guidelines/ISMP every 10 years & annual ISMP Roadmap tracking/review
O&M	\$3,468,000	Based on estimated sustainable O&M program for CPG. Does not include street sweeping.
Total	\$9,053,000	

RECOMMENDED FUNDING OPTIONS

- 1. Property Tax general tax fund
- 2. Dedicated Tax Levy
- 3. Stormwater Rate flat rate
- **4. Stormwater Rate** variable rate based on land use and/or property size
- **5.** Stormwater Rate variable rate based on actual or estimated impervious area
- 6. Water/Wastewater Rate
- 7. Development Related Charges and Fees
- 8. Grants



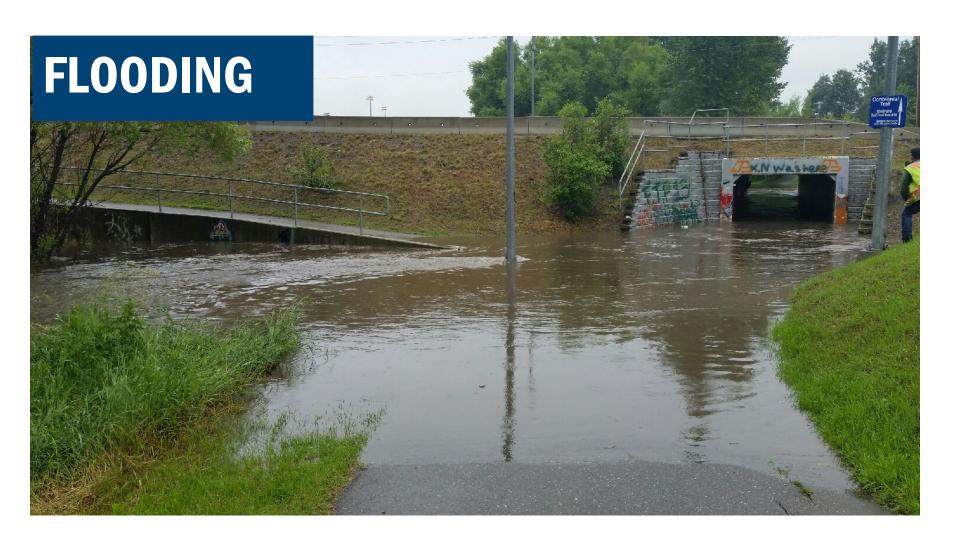






AGING INFRASTRUCTURE



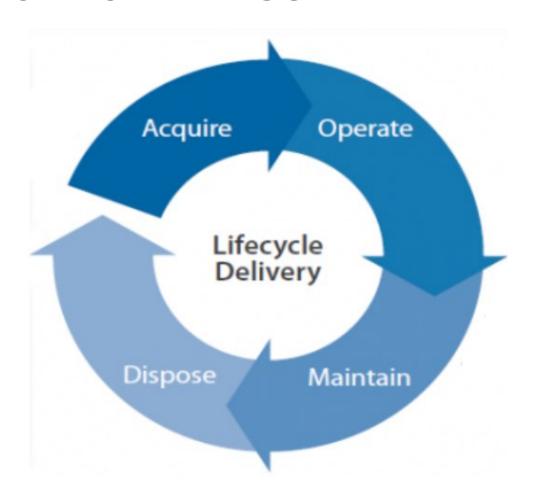




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NEXT STEPS:



Guiding Document & Roadmap



