Exploring the impacts of Metro Vancouver Capital Projects on Member Jurisdictions



Port Mann Water Supply Tunnel Shaft

Workshop Series: Mitigation Practices Related to Metro Vancouver's Delivery of Capital Projects - Workshop #1

Jennifer Crosby

Director, Project Management Office, Project Delivery

Nermine Tawfik Supervisor, External Relations

MV Conference Day - May 12, 2023 59308024

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AGENDA

- Meet our workshop facilitator Diana Bulley
- Workshop Opening Remarks
- Introduce the process to develop a mitigation framework
- Explore the impacts of Metro Vancouver Capital Projects on Member Jurisdictions
- Share the Capital Projects Guide





Opening Remarks -Cheryl Nelms Inthill

373

148th Street Water Main Construction Site

METRO VANCOUVER

- **21** Municipalities
- 1 Electoral Area
- **1** Treaty First Nation

GVS&DD Act

GVWD Act

Local Government Act

Community Charter

Delivering regional utility services and infrastructure at a scale that is more efficient than if each member jurisdiction delivered the services separately

REAC WORKING GROUP

Goal: Discuss and recommend guidelines to promote consistency in how Metro Vancouver projects are processed within member jurisdictions.

Working Group participants:

- Four municipalities Coquitlam, District of North Vancouver, Surrey, and Vancouver
- Metro Vancouver Water Services, Liquid Waste Services, Project Delivery, External Relations

REAC WORKING GROUP DISCUSSION OUTCOMES

Ideas and solutions the group agreed on



Items the group did not reach agreement on

01

01

Ideas and solutions the group agreed on

Idea	Status
Utility Capital Projects Guide	Drafted
Improved coordination and communication process with members	Started with New Westminster and Burnaby
Project tendering and procurement improvements	Being implemented
Impact Mitigation Framework	In development

02

Items the group did not reach agreement on

- How to consistently calculate permit fees and DCCs
- How to mitigate the impacts of utility capital projects in their jurisdictions over the project lifecycle

THE NEED FOR AN IMPACT MITIGATION FRAMEWORK

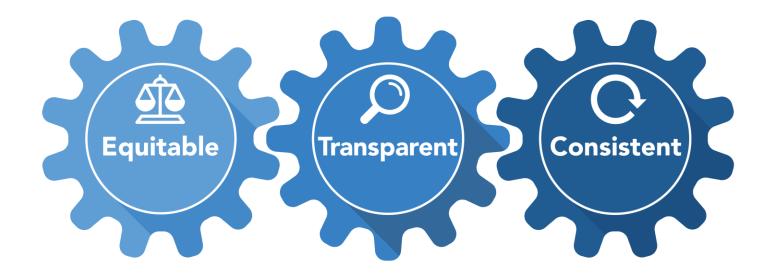
- Clarify expectations for how Metro Vancouver and member jurisdictions work together to deliver regional infrastructure
- Standardize the process for assessing and mitigating the impacts of utility capital projects on member jurisdictions
- Reduce risk and uncertainty related to the delivery of Metro Vancouver utility capital projects which in turn reduces impacts on costs and schedules

DEVELOPING AN IMPACT MITIGATION FRAMEWORK

REAC WORKSHOP SERIES

Workshop 1- May 12	Workshop 2 - TBD	Workshop 3 - TBD
Purpose: Explore the impacts of MV capital projects on member jurisdictions	 Purpose: Share tools and approaches for identifying impacts and improving intergovernmental coordination Build a framework for mitigation practices (guiding principles, impact assessment tool, defining mitigation) 	Purpose: Revise and finalize the framework for mitigation practices
Outcome: Establish a shared understanding of the impacts of capital projects	Outcome: Identify elements of an equitable framework	Outcome: Framework for mitigation practices to be presented to RAAC, and Metro Vancouver Boards

GUIDING PRINCIPLES



Part 1: Exploring the Impacts of Metro Vancouver Capital Projects on Member Jurisdictions

Northwest Langley Wastewater Treatment Plant Construction

PEAK

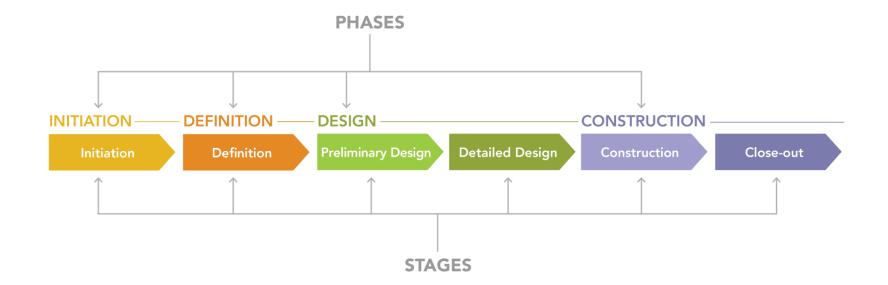
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PEAK

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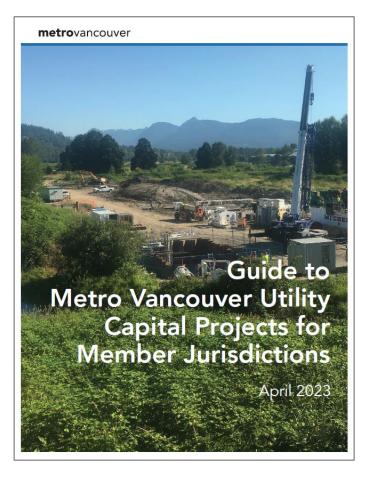
LIFECYCLE OF A METRO VANCOUVER CAPITAL PROJECT



IMPACTS OF CAPITAL PROJECTS



Part 2: Introducing the Utility Capital Projects Guide



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SCOPE OF THE CAPITAL PROJECTS GUIDE

- The guide presents the capital project process that applies to <u>most</u> projects
- Describes the phases and stages that most projects have in common, <u>not</u> exceptions
- Describes current practices only, not desired or future state.
- Refers to utility capital projects for water, liquid waste, and solid waste

PURPOSE OF THE GUIDE

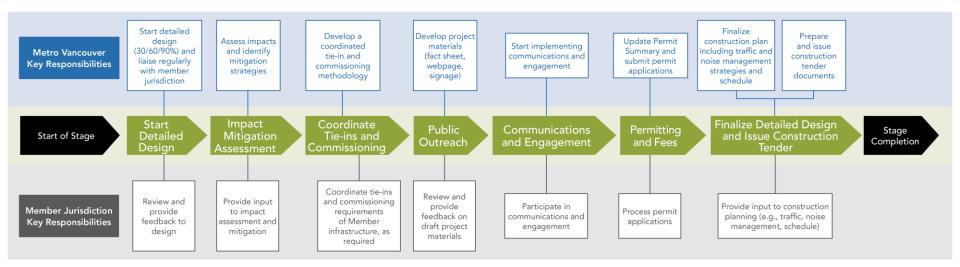
- Describes the lifecycle of a Metro Vancouver utility capital project
- Identifies the key responsibilities for Metro Vancouver and member jurisdiction staff
- Provides a high-level, consistent, and transparent roadmap that will help member jurisdictions plan their involvement in a Metro Vancouver utility capital project

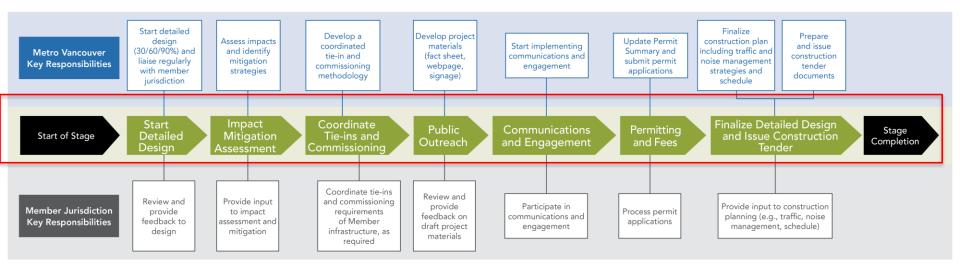
LIFECYCLE OF A METRO VANCOUVER UTILITY CAPITAL PROJECT

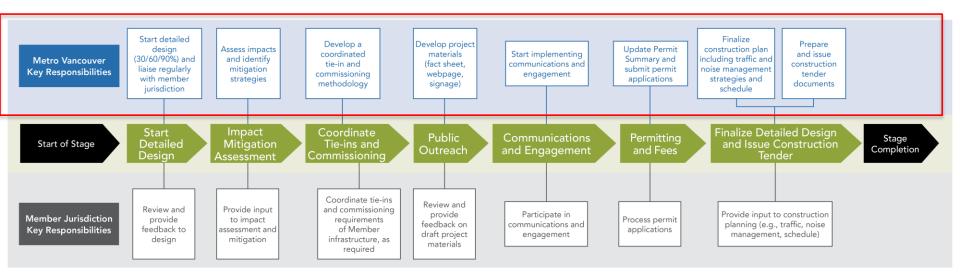
PHASES	INITIATION	DEFINITION	DESIGN		CONSTRUCTION	
STAGES	Initiation	Definition	Preliminary Design	Detailed Design	Construction	Close-out
	PURPOSE To confirm the high level scope of a capital project that is required to address an issue with delivering a service. KEY OUTCOMES Technical • Draft Project Charter	PURPOSE To define the project including the objectives and the scope of the alignment or site options under consideration. To evaluate the options and identify a recommended option. KEY OUTCOMES Technical • A recommended option • Project Charter • Project Definition Report and/or Conceptual Design	PURPOSE: To conduct further investigation into the requirements of the capital project and start to develop the design of the capital project. KEY OUTCOMES Technical • Preliminary Design Report • Various studies (e.g., Geotechnical, Environmental, Archaeological, Arborist, Traffic, etc.) • Permitting assessment • Confirm the site or alignment option Communications and Engagement • Early key messages • Early project description • Communications and Engagement Strategy • Communications Protocol • Early engagement	PURPOSE: To progress the design of the capital project in preparation for construction. KEY OUTCOMES Technical • Final Design Reports (30/60/90%) • Permit applications • Various studies (e.g., traffic, noise) • Tender documents Communications and Engagement • Project fact sheet and website • Notify community/ neighbourhoods • Seek input through online and in-person engagement events	PURPOSE To take the project from tender award through to construction completion. KEY OUTCOMES Technical • Ongoing permit applications (e.g., highway use permit, noise variance) • Project commissioning and tie-ins Communications and Engagement • Construction communications • Communications	PURPOSE To hand the project over to Metro Vancouver operations and maintenance. KEY OUTCOMES Technical • Certificate of Completion/ Final Acceptance Communications and Engagement • Project completion communications

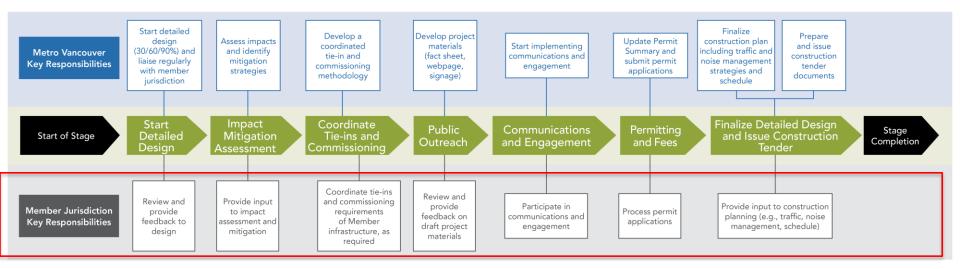
LIFECYCLE OF A METRO VANCOUVER UTILITY CAPITAL PROJECT

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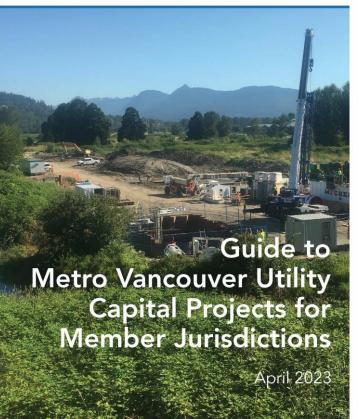


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Barnston Maple Ridge Pump Station

Thank you



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