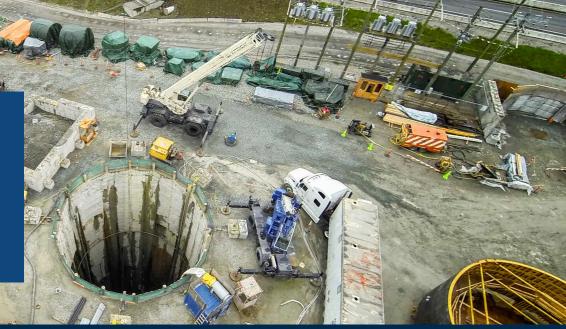
Exploring the impacts of Metro Vancouver Capital Projects on Member Jurisdictions



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

148<sup>th</sup> 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

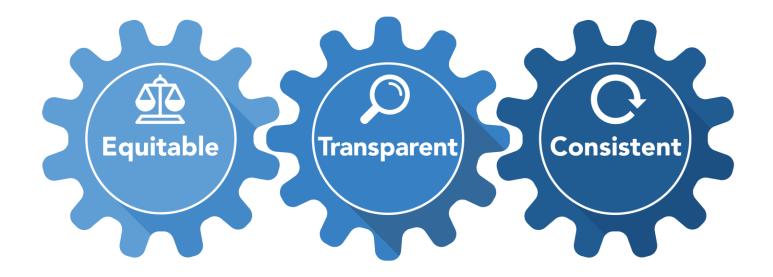
- Clarify expectations for how Metro Vancouver and member jurisdictions work together to deliver regional infrastructure
- Standardize the process for assessing and mitigating the impacts of utility capital projects on member jurisdictions
- Reduce risk and uncertainty related to the delivery of Metro 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
<b>Purpose:</b> Explore the impacts of MV capital projects on member jurisdictions	<ul> <li>Purpose:</li> <li>Share tools and approaches for identifying impacts and improving intergovernmental coordination</li> <li>Build a framework for mitigation practices (guiding principles, impact assessment tool, defining mitigation)</li> </ul>	<b>Purpose:</b> 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

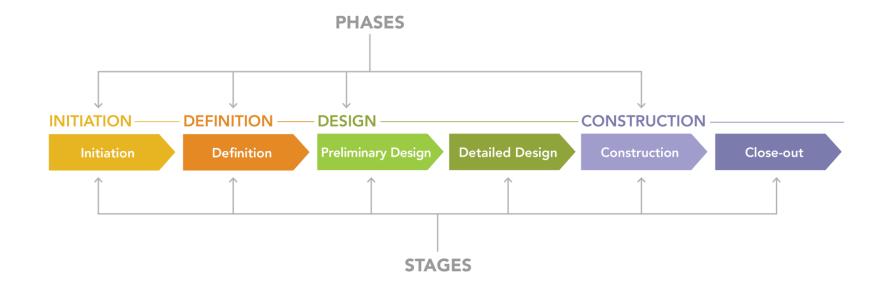
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PEAK

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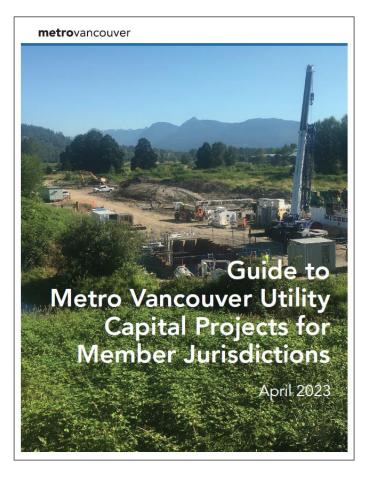
# LIFECYCLE OF A METRO VANCOUVER CAPITAL PROJECT



## **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**

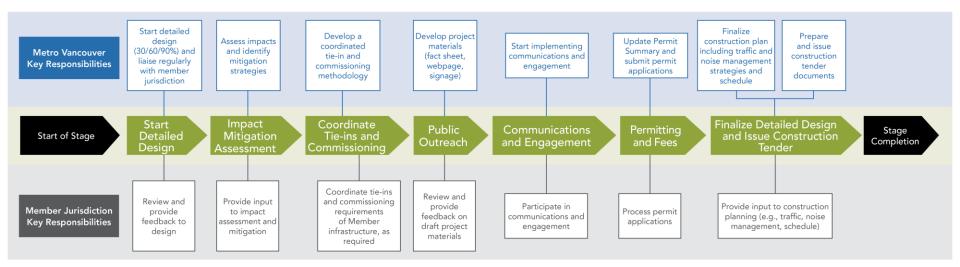
- Describes the lifecycle of a Metro Vancouver utility capital project
- Identifies the key responsibilities for Metro Vancouver and member jurisdiction staff
- Provides a high-level, consistent, and transparent roadmap that will help member jurisdictions plan their involvement in a Metro Vancouver utility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

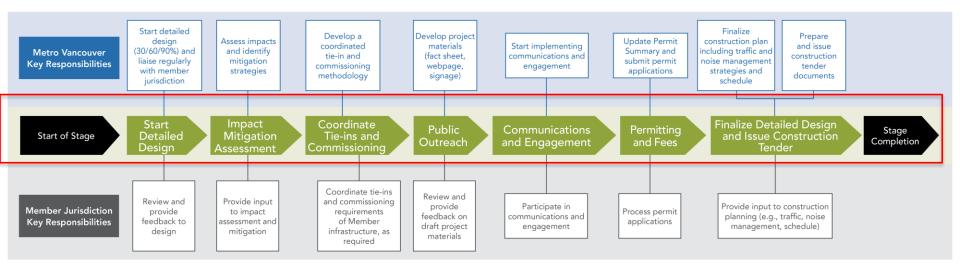
# LIFECYCLE OF A METRO VANCOUVER UTILITY CAPITAL PROJECT

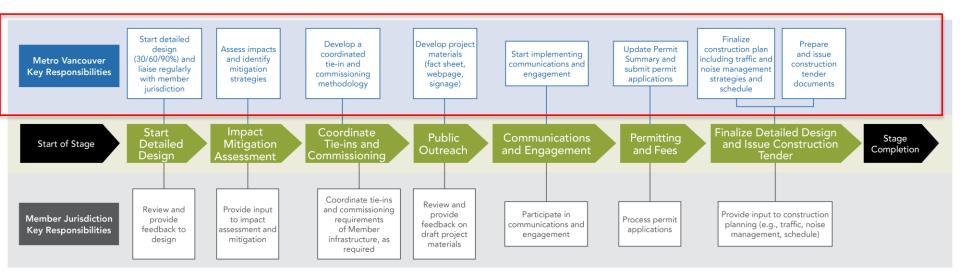
PHASES	INITIATION	DEFINITION	DESIGN		CONSTRUCTION	
STAGES	Initiation	Definition	Preliminary Design	Detailed Design	Construction	Close-out
	PURPOSE To confirm the high level scope of a capital project that is required to address an issue with delivering a service. KEY OUTCOMES Technical • Draft Project 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

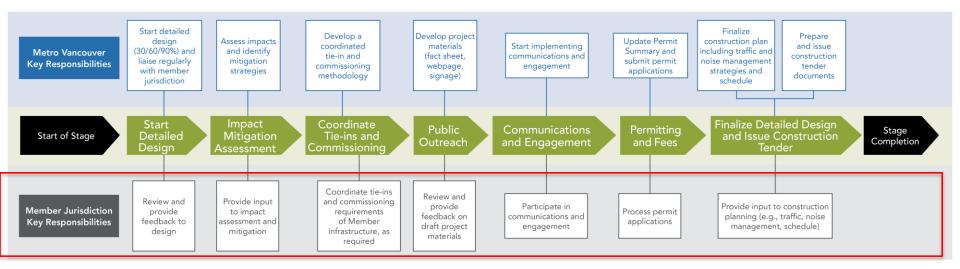
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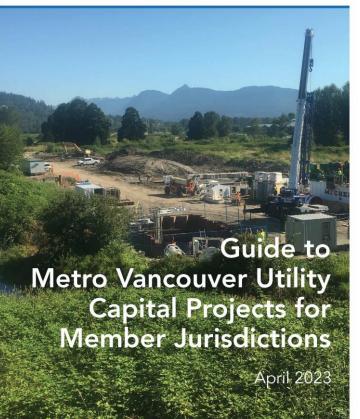








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Barnston Maple Ridge Pump Station

# Thank you



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