



## STATUS OF ASSET MANAGEMENT IN BRITISH COLUMBIA

RESULTS FROM THE 2016 GAS TAX FUND  
ASSET MANAGEMENT BASELINE SURVEY



# Gas Tax and Asset Management

2020 UBCM Grant Programs & Asset Management Workshops





# Presentation Overview

- Gas Tax Agreement and Asset Management
- Survey
- Survey Results
- Next Steps





# BC Gas Tax Agreement

Schedule A – Ultimate Recipient Requirements, section 5

- *During the term of this Agreement, where an Ultimate Recipient is a Local Government, work to strengthen Asset Management, in accordance with the Asset Management framework developed by the partnership committee.*





# BC Gas Tax Agreement

## Schedule F – Asset Management

- *Schedule F – Asset Management identifies;*
  - *The Partnership Committee will develop an Asset Management Framework,*
  - *The Framework will recognize the varying capacities of local governments and the range of ongoing asset management activities.*
- *Partnership Committee has approved;*
  - *Asset Management for Sustainable Service Delivery: A BC Framework, and*
  - *Local government asset management commitments pursuant to the Framework*



# Commitments under the GTA

Captured as three (3) separate steps or actions;

1. Establishing an Asset Management Baseline
2. Developing an Implementation Plan under the GTA
3. Asset Management Reporting





# Asset Management for Sustainable Service Delivery: A BC Framework

Asset Management for Sustainable Service Delivery  
A BC Framework

**Sustainable Service Delivery**

Sustainable Service Delivery ensures that current community service needs, and how those services are delivered (in a socially, economically and environmentally responsible manner), do not compromise the ability of future generations to meet their own needs. Communities build and maintain infrastructure to provide services. These services support our quality of life, protect our health and safety, and promote social, economic and environmental well-being. Failure to care for our infrastructure, manage our natural resources and protect the benefits provided by nature risks degrading, or even losing, the services communities enjoy, and that future generations may rely on.

Sound asset management practices support Sustainable Service Delivery by considering community priorities, informed by an understanding of the trade offs between the available resources and the desired services.





# Asset Management Commitments

## *Establishing an Asset Management Baseline*

- To support local governments in their efforts to improve asset management practices, and to support asset management objectives within the GTA, baseline level information is required.
- Reporting Timeline – 2016
- Format – Survey





# Survey Methodology

Hybrid style assessment drawing on the  
“Framework” and the Canadian Infrastructure  
Report Card

Asset Management for Sustainable Service  
Delivery

A BC Framework



Informing the Future





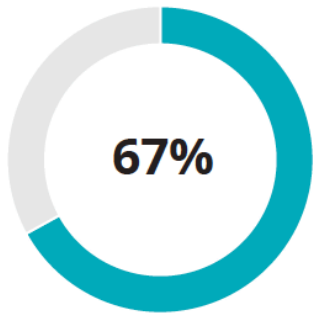
# Survey Development Partners

- UBCM
- AMBC
- MCSCD
- BC local governments

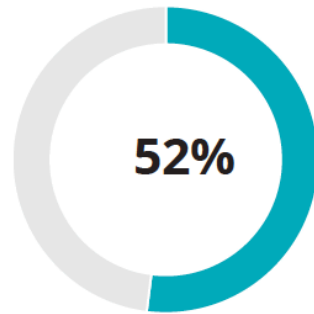




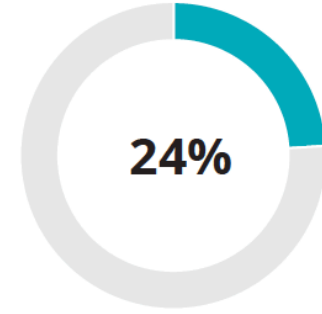
**PEOPLE AND INFORMATION:** Local governments were asked about communication and information sharing practices **with staff**:



67% reported that some staff understand the need for asset management



52% reported that staff understand the benefits of asset management



24% of staff work plans include asset management activities







*Planning for asset management can be an incremental step for local governments who have developed an asset inventory and have a clear understanding of available capacity and community priorities.*

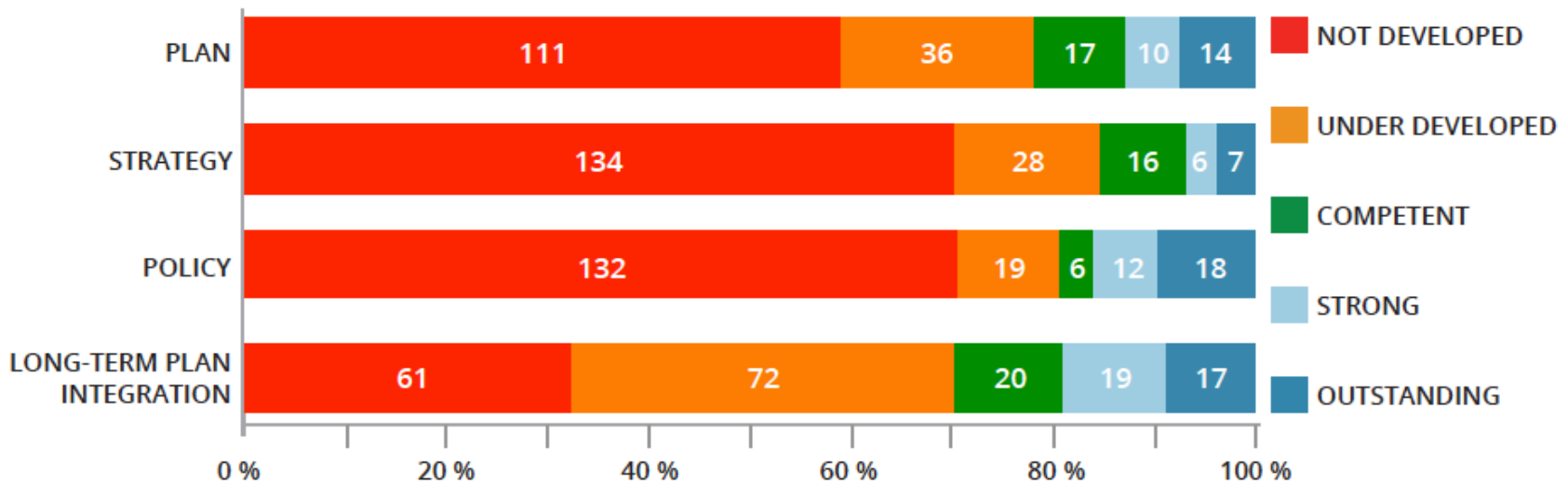
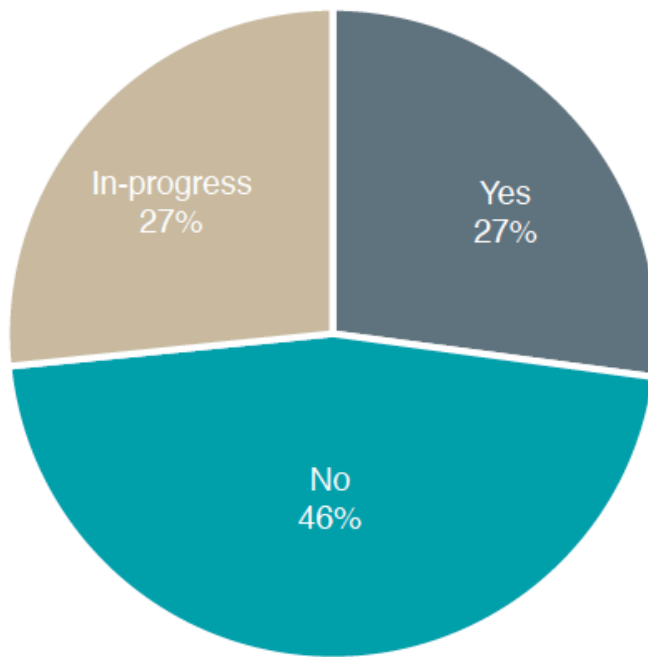




FIGURE 2: LOCAL GOVERNMENTS WITH FORMALIZED ASSET MANAGEMENT PROCESSES



**54 %**

of local governments have, or are in the process of, developing formalized asset management processes



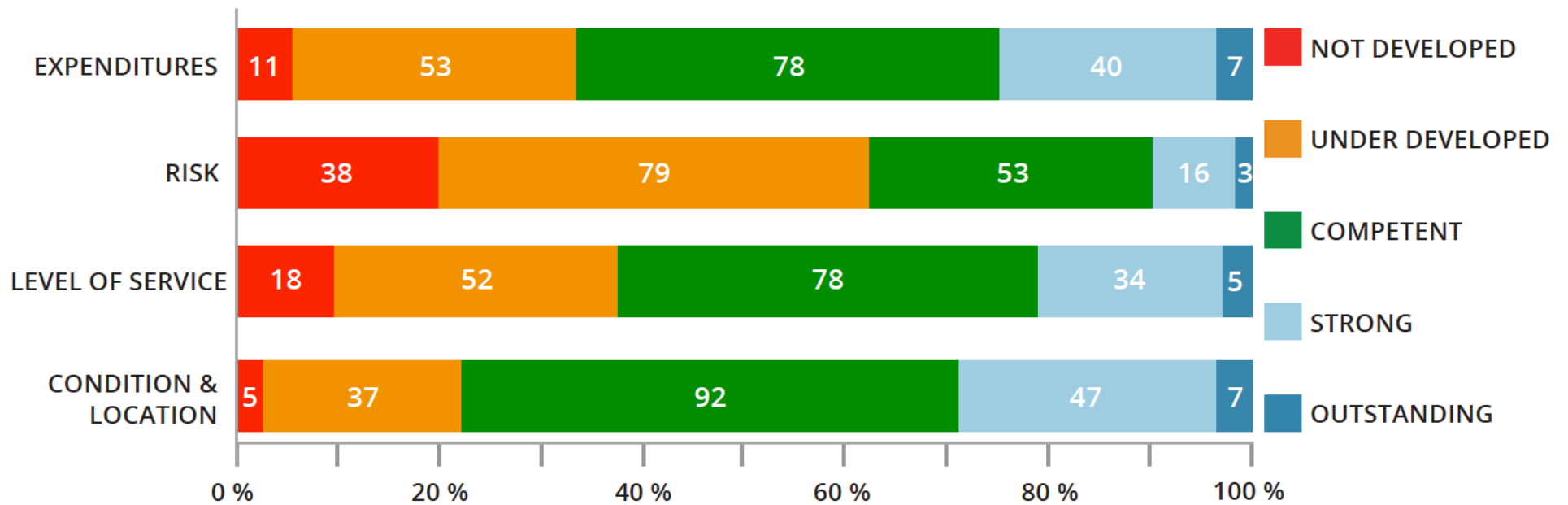
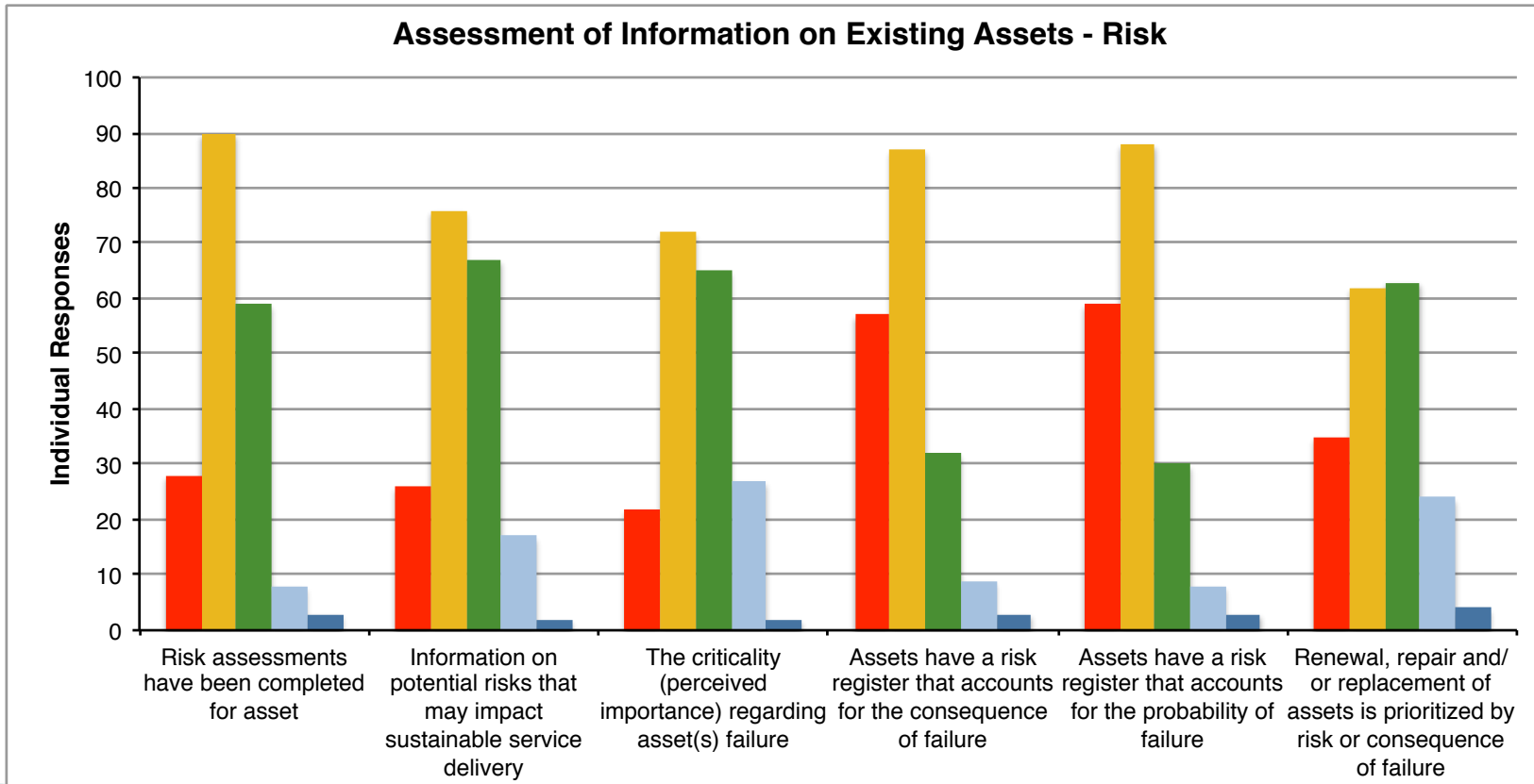


FIGURE 3: ASSESSMENT OF INFORMATION FOR EXISTING ASSETS: LOCATION, CONDITION, LEVEL OF SERVICE, RISK, AND EXPENDITURES





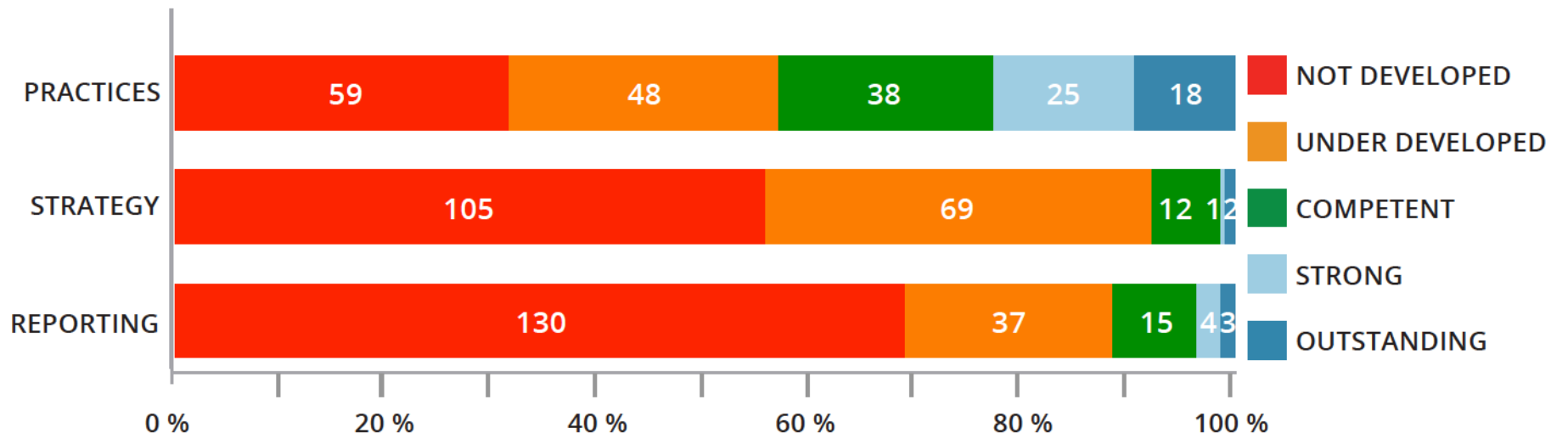
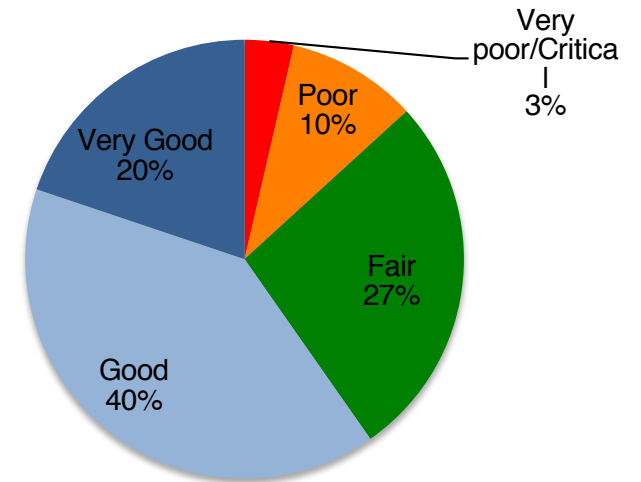


FIGURE 5: ASSET MANAGEMENT IMPLEMENTATION





**Average Condition Rating for Potable Water Assets  
as Reported by BC Local Governments**



**Potable Water Assets  
Ownership, Financial Information and Condition Data as of December 31, 2014**

**Average Condition from the Baseline Assessment: Good**  
**Average Condition from the Canadian Infrastructure Report Card: Good**

Assets	Reported Ownership	Condition Data Reported	Reported Historical Cost	Reported Replacement Cost	Reported Renewal Value	Average Reported Condition
Distribution pipes (dia. <416 mm)	90%	61%	34%	26%	17%	Fair
Transmission (dia. >416 mm)	52%	35%	19%	19%	10%	Good
Water Treatment (incl. Wells)	74%	54%	30%	23%	9%	Good
Water Pump Stations	76%	58%	32%	24%	10%	Good
Water Reservoirs	76%	61%	34%	28%	10%	Good
Cumulative Asset Submission	-	-	28%	14%	15%	-



# Asset Management Commitments

Captured as three (3) separate steps or actions;

1. Establishing an Asset Management Baseline ✓
2. Developing an Implementation Plan under the GTA ✓
  - Local government recipients committed to actions under the 2018 Annual Expenditure Report
3. Asset Management Reporting





# Next Steps

- **Local Governments**
  - Work towards improving asset management practices and culture.
- **Gas Tax/UBCM**
  - Asset Management Outcome Reporting
- **AM BC and Partners**
  - Develop effective short and long term plans to provide effective support and resources for local governments



