





Advancing Asset
Management Program

# LEVELS OF SERVICE

**MODULE 2** 

Please take this time to change your name in the participants list to include your full name and organization



### Acknowledgements

This initiative is offered through the Municipal **Asset Management Program, which is delivered** by the Federation of Canadian Municipalities and funded by the Government of Canada.





#### Collaborators and Influencers



















### Agenda

- 1. Overview of LOS (recap)
- 2. Terminology
- 3. LOS Template Introduction
- 4. LOS Template Tab 1: Introduction
- 5. LOS Template Tab 2: Services and Assets



### What are Levels of Service?

#### 2 PERSPECTIVES

#### **Community** (customer) LOS

The levels at which the customer is receiving service, from an experiential perspective.



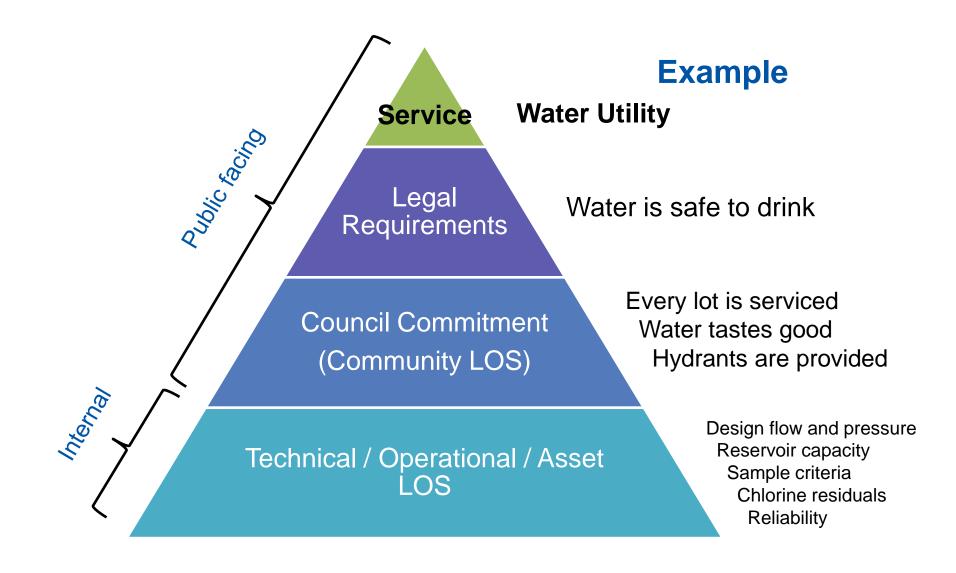
#### **Technical** (operational/asset) LOS

Specific, measurable parameters used to assess the adequacy of assets to provide community LOS.





### Levels of Service Hierarchy





### Terminology – Helps keep us aligned

**Community Level of Service** 

The level at which the customer is receiving service, from an experiential perspective.

Indicator

A specific property of service that can be objectively evaluated.

Levels of Service

Specific parameters that describe the extent and quality of services that the municipality provides to users.

**Level of Service Commitment** 

The level at which the municipality has formally agreed to deliver a service. This could be through a contract, legislation, or other written agreement.

**Level of Service Objective** 

The level at which the municipality aims to deliver service to its customers. This is usually subjective or descriptive for community levels of service, and may be quantitative for technical levels of service.

**Performance Measure** 

The means used by the municipality to assess a level of service. Example measures include:

- O&M data
- Service contract
- Complaints
  - OH&S records
- Expert assessment Program data



### Terminology – Helps keep us aligned

#### **Performance Gap**

The current gap, or difference, between the level of service being delivered (the current level of service) and the expected/intended level of service (the level of service objective).

#### **Sustainability Gap**

The anticipated future gap between current level of service and the level of service objective. For example, there may not be a current capacity gap in a sewer service, however, based on growth projections and the ability of current infrastructure to delivery the service, a future gap is anticipated once a certain demand or growth rate has been achieved.

#### **Service Characteristic**

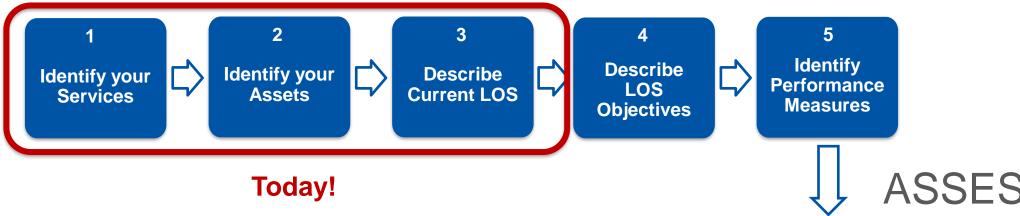
General property, or characteristic, of service delivered by an asset or group of assets (e.g. regulatory, capacity, safety, reliability, quality, and environmental).

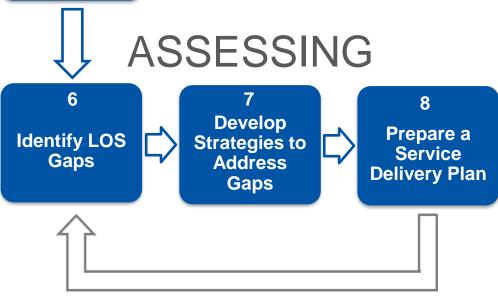
#### **Technical Levels of Service**

The adequacy of assets to provide customer services, from a physical characteristics perspective. This is also known as an operational/asset level of service.

### Levels of Service Process

#### **DEFINING**







### Activity: Defining and Assessing LOS







### Activity: Defining and Assessing LOS



Services

Assets

**Current LOS** 

LOS Objectives

Performance Measures

**Identify Gaps** 

**Gap Strategy** 



Service Delivery Plan

### Levels of Service Template

#### **PURPOSE**

Facilitate communication (via staff) with Councils, stakeholders and the public about:

- The services and levels of service currently provided;
- Gaps between current and expected levels of service; and,
- Actions or estimated resource needs to address gaps.

#### **METHOD**

- Spreadsheet-based levels of service template, customizable by each individual user
- Workshops to assist staff in learning about LOS by populating their template
- Primary focus on community levels of service



### Levels of Service Template

#### **Excel Worksheet: 5 Tabs**

#### 1. Introduction

Document service delivery goals

#### 2. Services and Assets

Describe your services and the assets used to deliver them

#### 3. Describing and Assessing LOS

 Document current and target LOS, identify performance measures, identify current or future gaps & develop strategies to address them

#### 4. Reporting Out

 Prepare a service delivery plan to report out key findings from the process as and priority actions

#### 5. Interim Actions

Identify short term actions to address data gaps, questions or conflicts

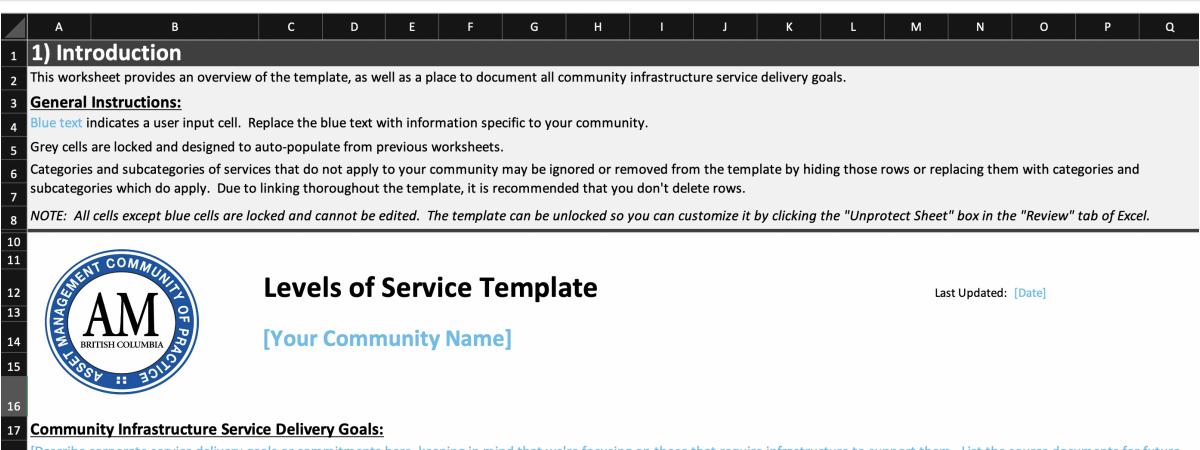


### LOS Template

#### 1. Introduction

- This is the "cover page" for the LOS workbook
- Instructions
- Basic definitions
- Levels of service process
- General / strategic content (entered by user)
  - community name
  - corporate service delivery goals or commitments
- Acknowledgements

### LOS Template – Introduction



[Describe corporate service delivery goals or commitments here, keeping in mind that we're focusing on those that require infrastructure to support them. List the source documents for future reference.]

e.g. Comply with all legislative requirements.

Provide capacity, quality, and reliability expected by Council and residents.

Ensure the safety of services and infrastructure.

Consider sustainability and long-term benefits to future generations.

Source: Official Community Plan

Source: Regulatory

Source: Strategic Plan

Source: Integrated Community Sustainability Plan

1) Introduction

2) Services and Assets

3) Describing and Assessing LOS

4) Reporting Out

5) Interim Actions

### Activity: LOS Template



#### 1. Introduction

#### 1. Populate the intro section of the template

- Enter community name
- Enter service delivery goals from strategic plan, official community plan, etc.



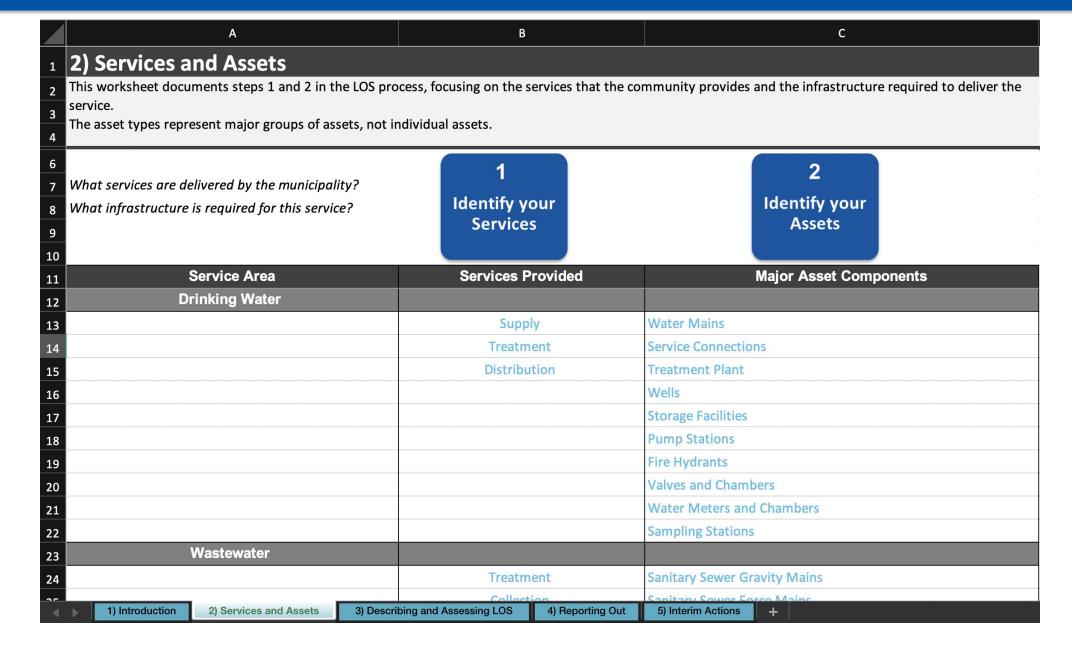
### LOS Template

#### 2. Services and Assets

- Document the services the local government provides
- Identify the assets involved in delivering each service
- Ensures that assets are being organized based on function, as opposed to defining services based on assets



### LOS Template – Services and Assets



### Activity: LOS Template



#### 2. Services and Assets

#### 1. List your service areas

- Modify the defaults as needed
- Describe services under each category
- Use bylaws, budgets and service plans as your references
- Don't start with the assets!

#### 2. List the assets for each service

- Modify the defaults as needed
- Use capital plans and asset registers as your references

This is not a complete inventory; the purpose is to link asset groups to services

1
Identify your
Services

2 Identify your Assets



### LOS Template – Describing and Assessing LOS

#### 3. Describing and Assessing LOS

General properties that may be used to describe a service:

- Regulatory: What is the legal minimum?
- Capacity/Availability: How much, where, when and for whom?
- Safety: Protecting people and property
- Quality: How good is it (and in what respect)?
- Reliability: How often is service interrupted?
- Environmental: How well is the environment protected?
- You do not need a level of service for each characteristic. Use this as a guide to make sure nothing key is missing.



### LOS Template – Describing and Assessing LOS

3. Describing and Assessing LOS

Indicator = a specific property of service that
can be objectively evaluated

Characteristic

Water quality notices are infrequent and short in duration

Service outages are infrequent and short in duration

Describe Current LOS

4

Describe LOS
Objectives

Identify
Performance
Measures

6

Identify LOS Gaps

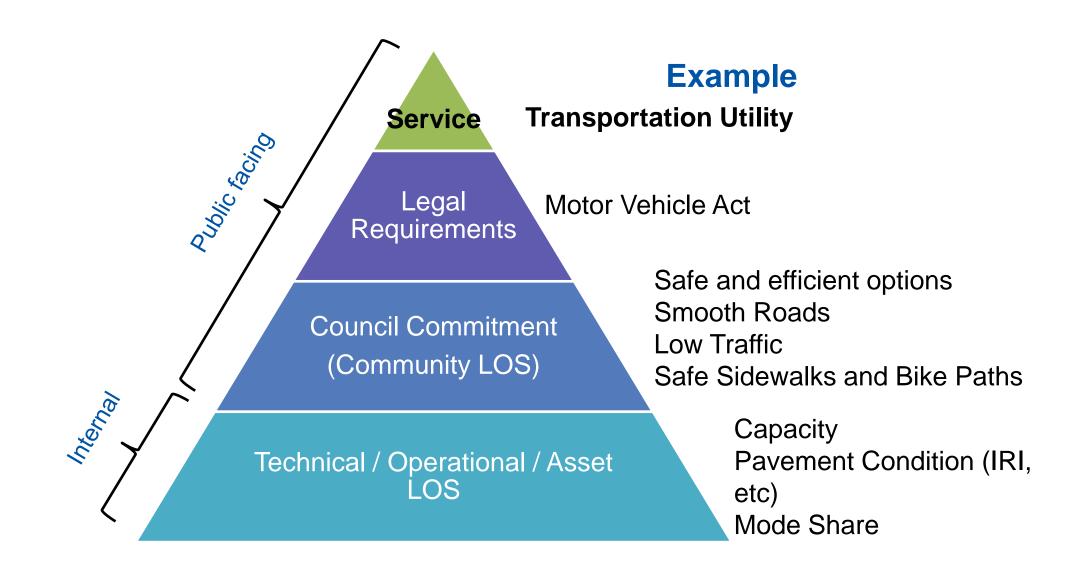
Develop
Strategies to
Address
Gaps



### LOS Template – Describing and Assessing LOS

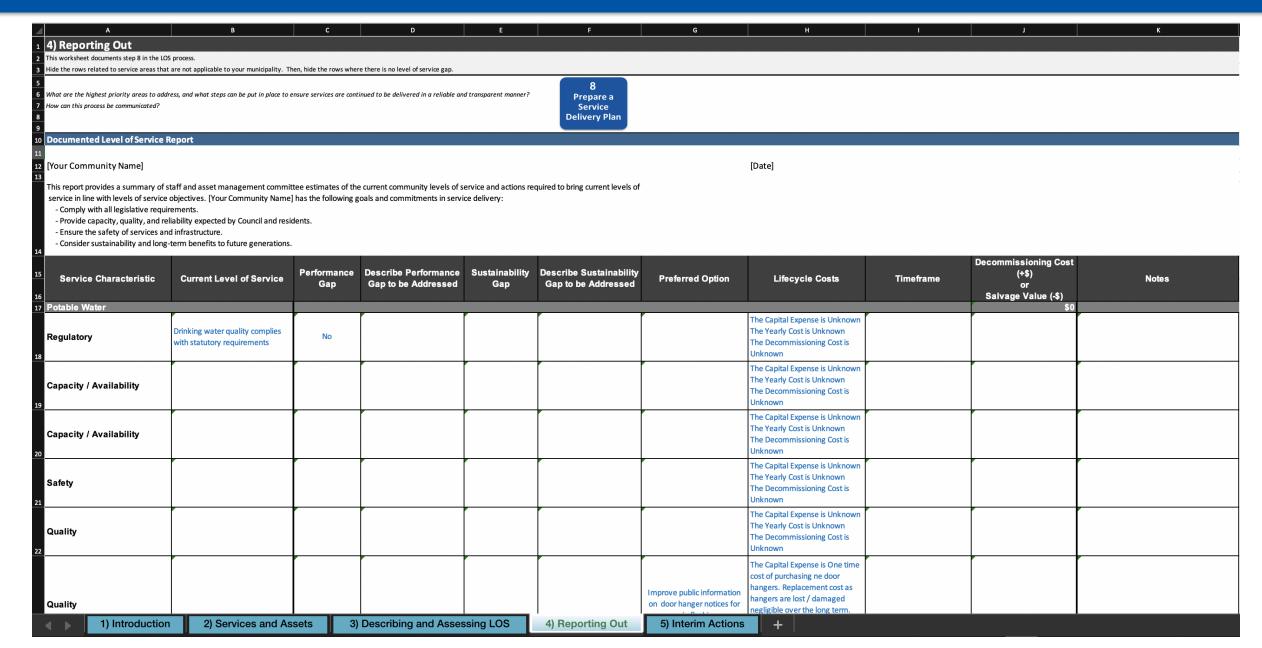
<b>4</b>	A	В	С	D	E	F	G	н	1	J	K	L N	N N	
	1 3) Describing and Assessing Levels of Service													
-	2 This worksheet documents steps 3-7 in the LOS process.  3 Hide the rows related to service areas (eg. urban transportation, if you are a rural community) that are not applicable to your municipality/regional district or alternately note "N/A" in columns H and J. Note for regional districts, you may want to copy this tab for each local service area, or duplicate each relevant service (this will mean some re-linking in tab 4)													
Hide the rows related to service areas (eg. urban transportation, if you are a rural community) that are not for the rows related to service areas (eg. urban transportation, if you are a rural community) that are not for the rows related to service areas (eg. urban transportation, if you are a rural community) that are not for the rows related to service areas (eg. urban transportation, if you are a rural community) that are not for the rows related to service areas (eg. urban transportation, if you are a rural community) that are not for the rows related to service areas (eg. urban transportation, if you are a rural community) that are not for the rows related to service areas (eg. urban transportation, if you are a rural community) that are not for the rows related to service areas (eg. urban transportation, if you are a rural community) that are not for the rows related to service areas (eg. urban transportation, if you are a rural community) that are not for the rural community is a rural community of the rural community of the rural community is a rural community of the rural community of th			What level of service is currently required by regulation, committed to (formally or informally), expected or targeted?					3 Describe Current LOS	Data Availability  Al required data is somilable.  A required data is somilable.  A most required data is somilable.  Somilabl		Data Confidence  A Highly reliable, complete & 47% accurate. Securate as as B reliable, complete & ±10% accurate. Securate as a securate as a securate. Securate as a secu		4 Describe LOS Objectives	
12			Example Levels of Service											
12	Service Characteristic	Indicator	Low		High #		#	Current Level of Service		Data Availability		Data Confidence	Level of Service Objective	
			1	2	3	4				Availability		- Confidence		
14 Potable W	Vater													
Regulator	у	Drinking water quality complies with statutory requirements		Minim	um service level.			Drinking water quality complies with statutory requirements	5		В	4	Drinking water quality complies with statutory requirements	
Capacity /	/ Availability	Available water supply is sufficient for customers' needs	Capacity is available for basic household needs only; no garden irrigation	Capacity is available only for small gardens; no lawn watering	Drought based lawn watering restrictions occur more often than one in ten years.	Drought based lawn watering restrictions occur less often than one in ten years.								
Capacity /	/ Availability	Water distribution infrastructure is accessible for servicing lots throughout the service area	Large areas of the community do not have the opportunity to connect to the service (but want/need to).	Some areas of the community do not have the opportunity to connect to the service (but want/need to).	Nearly all areas of the community that want/need the service have the service.	All areas of the community that want/need the service have the service.								
Safety 19		Water supply is sufficient for firefighting purposes	None of the community is considered to be hydrant protected for insurance grading purposes	A portion of the community is considered to be hydrant protected for insurance grading purposes	All of the community is considered to be hydrant protected for insurance grading purposes but hydrant flow testing and maintenance is not up to date	All of the community is considered to be hydrant protected for insurance grading purposes and hydrant flow testing and maintenance are fully up to date								
Quality		Water service pressure is adequate at customer connections	Frequent customer complaints about water pressure.	Frequent customer complaints about water pressure.	Few customer complaints about water pressure in isolated areas.	Almost no customer complaints about water pressure.								
Quality		Water quality is aesthetically pleasing	Fails to meet customer expectations year round on more than two of: taste, colour, odour, staining.	Fails to meet customer expectations year round on one of: taste, colour, odour, staining.	Fails to meet customer expectations seasonally on one: taste, colour, odour, staining.	Meets customer expectations year round on all of: taste, colour, odour, staining.								
Reliability	,	Water quality notices are infrequent and short in duration	Boil water notices are in effect in most years, or treated water consistently fails to meet a chemical or radiological	Boil water notices occur no more often than every 5 years, or treated water fails to meet a chemical or radiological	Water quality consistently meets all regulatory requirements.	Water quality consistently meets all regulatory requirements, and testing is done for additional								
<b>♦ ▶</b>	1) Introduction 2) S	Services and Assets	B) Describing and Asses		porting Out 5) Interim	Actions +						**		

### Levels of Service Hierarchy





### LOS Template – Reporting Out

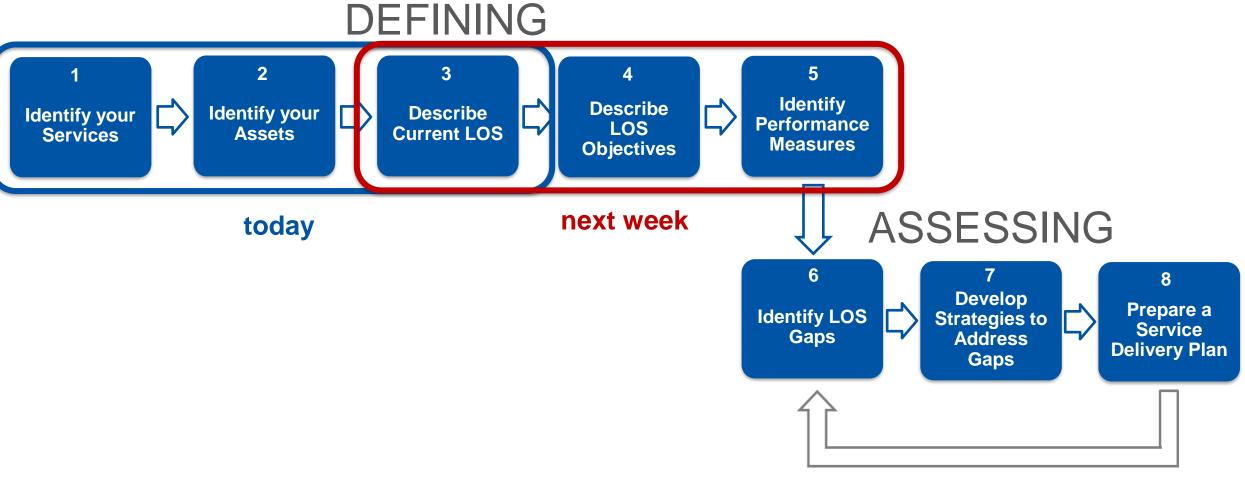


### LOS Template – Interim Actions

1	Α	В	С	D					
1	5)	Interim Actions							
2									
5		Action	Target Completion Date	Person Responsible					
6	1.								
7	2.								
8	3.								
9	4.								
10	5.								
11	6.								
12	7.								
13	8.								
14	9.								
15	10.								



### Levels of Service Process







## Before next Thursday (Session 3)...

- Connect with colleagues to fill in gaps
- Gather and review service delivery policy

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