

Public Meeting Hamlet of Lone Rock Infrastructure Consultation

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Discussion Outline

- 1. What infrastructure does Lone Rock have?
- 2. What does it cost to maintain and operate?
- 3. What are the upcoming renewals?
- 4. What are the life cycle costs?
- 5. What is the current income level?

Definition of an Organized Hamlet

Hamlets

- are not recognized as municipal entities
- are governed by a rural municipality
- have not been granted spending authority
- Hamlets are represented by a hamlet board at the RM Council
 - Elected by residents
- The RM collects all grants and taxes for the Hamlet
 - All grant money is allocated to the Hamlet
 - Hamlet and the RM negotiate agreement for percentage of taxes allocated to Hamlet (40-75%)
 - Current agreement allocates 100% to Lone Rock
 - Expenditures are made at the request of the hamlet board
- Contain at least 5 homes and 10 subdivided lots
 - mean area under 1 acre

Saskatchewan Municipal Relations

1. What Infrastructure is in Lone Rock?



Road Network – What is there?

1965

	Amount	Current Replacement Cost	
Gravel Streets	1.8 km	\$174,920	

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Water Network – What is there?

1977

	Amount	Current Replacement Cost
Water Mains	2.6 km	\$523,740
Water Treatment Plant		\$1,000,000
		\$1,523,740

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Sanitary Network – What is there?

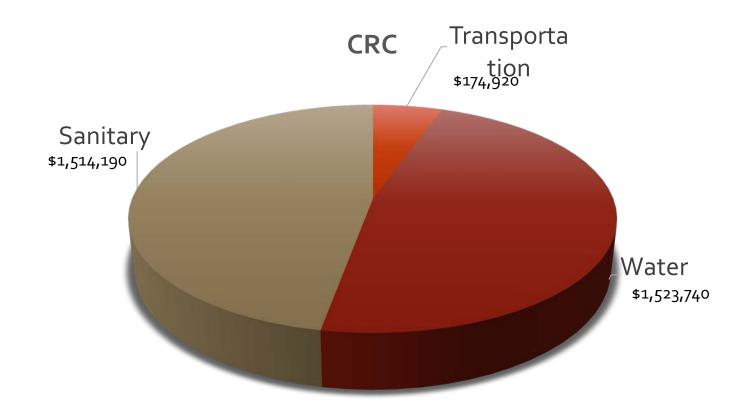
1977 2013

	Amount	Amount Current Replacement Cost		
Sanitary Mains	2.0 km	\$464,190		
Lift Station		\$50,000		
Lagoon		\$1,000,000		
		\$1,514,190		



New Sewer Line 2

Total Infrastructure Current Replacement Value



Total Infrastructure

CRC = \$3,212,850 CRC = \$97,360 / dwelling

2. What are the operating and maintenance activities in Lone Rock?



Operating and Maintenance Activities

Transportation

Blading

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- Snow removal
- Dust control
- Gravel
- Culvert replacement
- Street lighting

Water Network

- Minor repairs
- Water treatment and testing
 - Chemical, labour, power, etc.

Sanitary Network

Minor repairs

Other

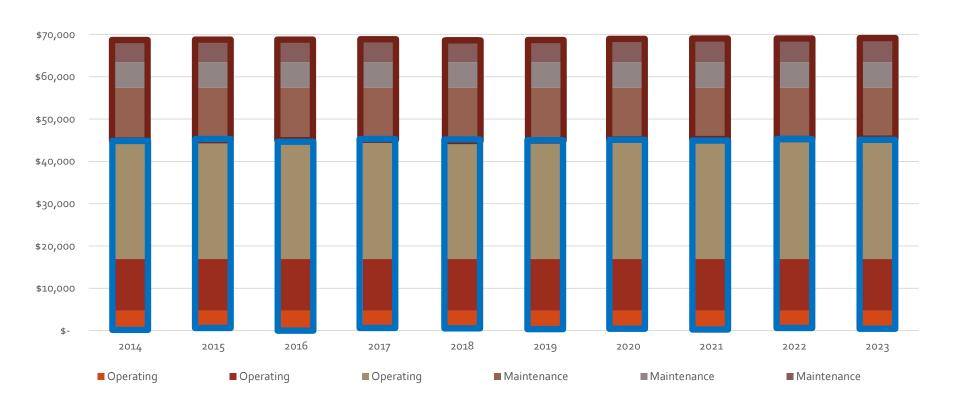
- Mowing
- Dog control
- Garbage collection
- Post office building expenses

Life Cycle Costs – O & M

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\$80,000

Operating & Maintenance



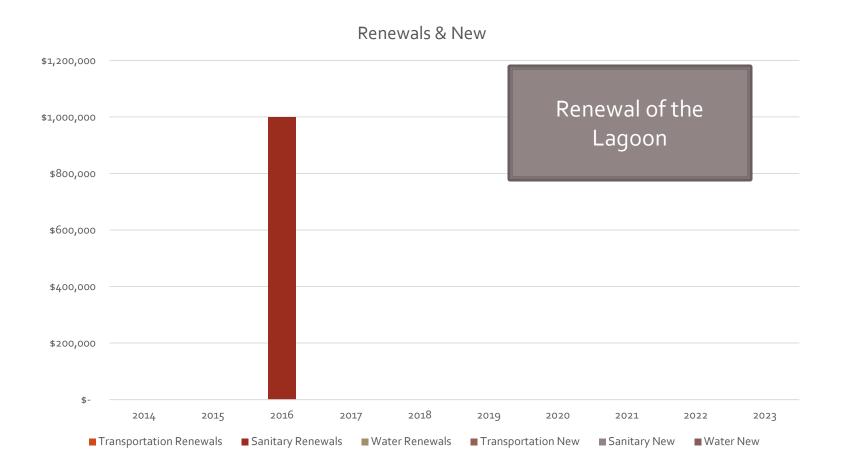
Operating and Maintenance

- Just to operate and maintain current infrastructure
 - Transportation, Water, Sanitary Sewer
 - \$69,420 / year
 - This amount does not include renewal of any infrastructure

3. What Infrastructure renewals are coming up in Lone Rock?



Life Cycle Costs - Capital



Renewals of Infrastructure

This amount does not include renewal of any infrastructure

	Amount	Replacement Cost		Year of Constru	ction Expecte	Expected Life	
Gravel Streets	1.8 km	\$174,920		1965	~8o ye	ears	
Water Mains	2.6 km	\$523,7	740	1977	~50 ye	ears	
Water Treatment Plant		\$1,000	,000	2010	~22 Ye	ears	
Sanitary Mains	2.3 km	\$464,	190	1977	~50 ye	ears	
				2013	~75 У€	ears	
Lift Station		\$50 , 0	000	2011	~23 ye	ears	
Lagoon		\$1,000	,000	1977 / 2013	~39	ears	

Water and Sewer Concerns

- Current water usage is ~74,000 m³ per year
- There have been concerns in regards to the sanitary sewer capacity in the past
 - Especially resulting from high spring runoff volumes
- Sanitary sewer is strongly impacted by runoff and rainfall as it acts partly as a storm sewer
 - Weeping tiles
 - Septic tanks not sealed
 - Aging septic tanks and failures

4. What are the full costs of the infrastructure in Lone Rock?



Average Annual Cost

- If you had to pay the same amount each year for the renewal of the assets
 - we call this the asset consumption
 - doesn't include operating and maintenance costs
 - Based on current replacement cost and expected life
- Annual Consumption of Sanitary = \$36,000 / year
- Annual Consumption of Water = \$56,000 / year
- Annual Consumption of Roads = \$2,000 / year

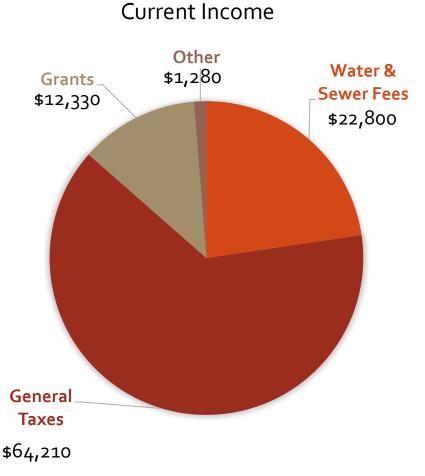
Full Cost of Service

- Annual operating and maintenance costs
 \$69,420 / year
- Annual consumption of the infrastructure
 - \$94,000 / year
- The full cost of providing these services (transportation, sanitary, and water)
 - ~ \$163,420 / year

5. What is the current income level?



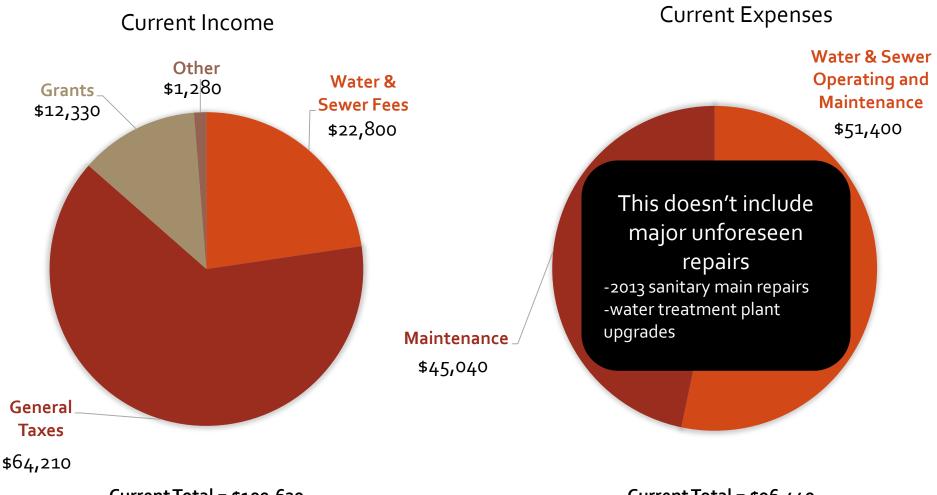
Current Income for Lone Rock



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CurrentTotal = \$100,620

Current Income and Expenses for Lone Rock



CurrentTotal = \$100,620

CurrentTotal = \$96,440

SUMMARY



Summary

- Lone Rock infrastructure has a current value of \$3,212,850 (\$97,360 / dwelling)
- Annual income covers operating & maintenance only
 \$69,420 / year
- There are currently no funds to cover renewals of the infrastructure
 - Lagoon upgrade or other repairs
- The full cost of providing these services (transportation, sanitary, and water)
 - ~ \$163,420 / year

Questions



