



# Portugal Gove St. Philip's

Water Metering Public Information  
Session

“Session 1: Context, The Process and  
Feedback”

# Water Metering Public Meeting

## Portugal Cove – St. Philip's

- Current Stats and Context
- Rationale

## Vigilant Consultants

- Case Studies in Atlantic Canada
- The Process Overview

## Resident Feedback

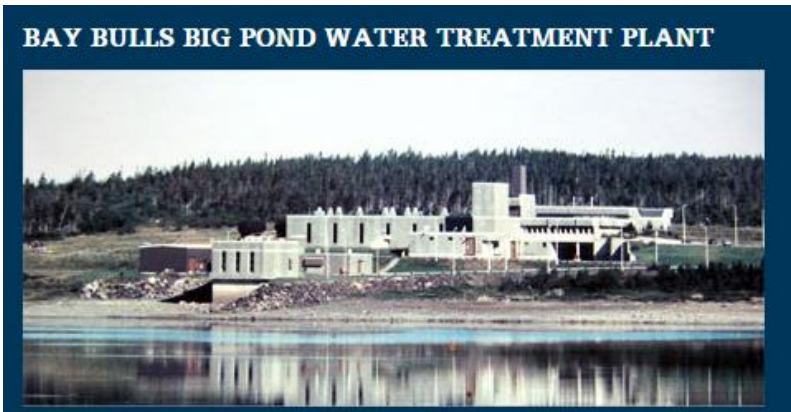
- Issues and Concerns for Council Consideration

# Stats and Context

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## *Regional Water*

Bay Bulls Big Pond Water Treatment Plant

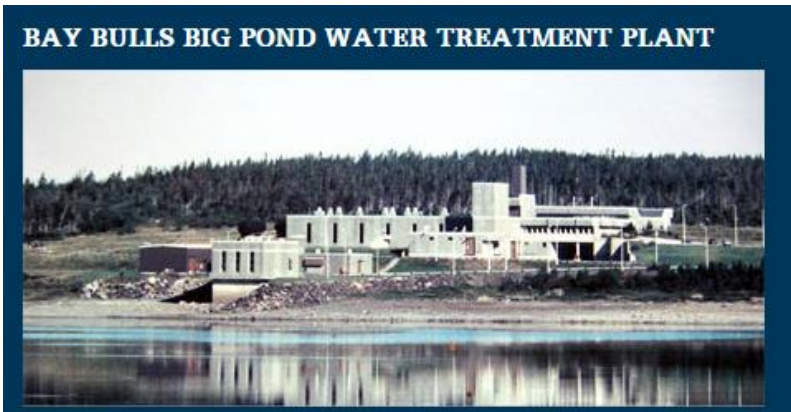


# Stats and Context

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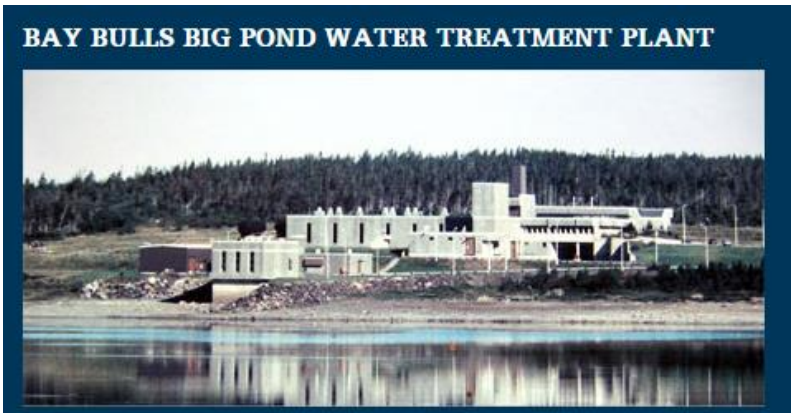
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# Stats and Context

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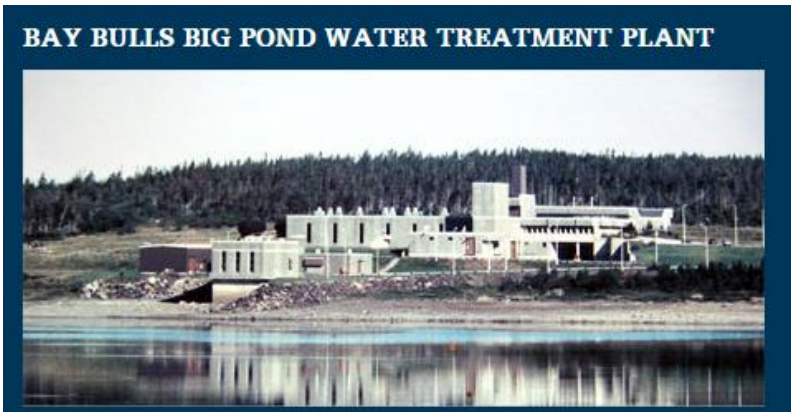


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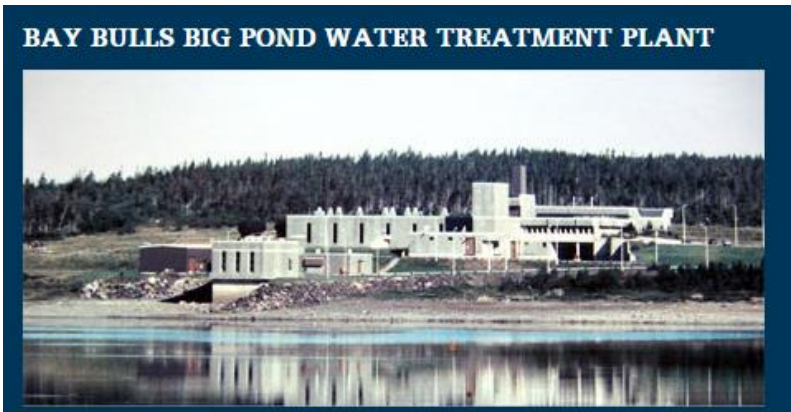


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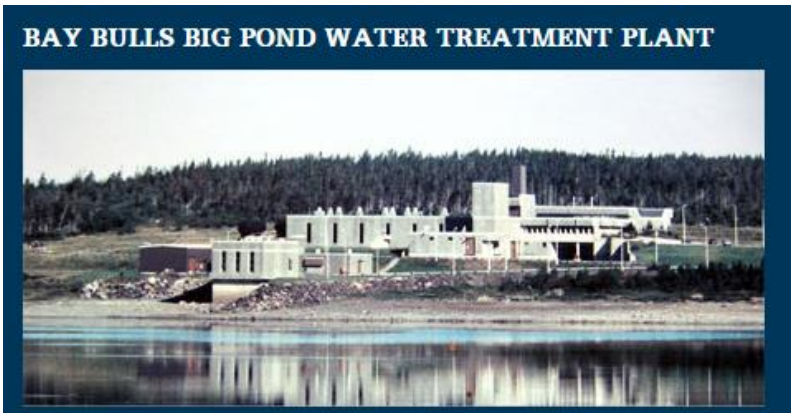


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- Local Infrastructure belongs to PCSP

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## *Regional Water*

Bay Bulls Big Pond Water Treatment Plant



- We purchase our water from Bay Bulls Big Pond
- We are metered as it enters PCSP
- Regional Board sets the rates
- Local Infrastructure belongs to PCSP
- Waste Water goes through our Water Treatment Facilities

# Stats and Context

## *Community Stats 2015*

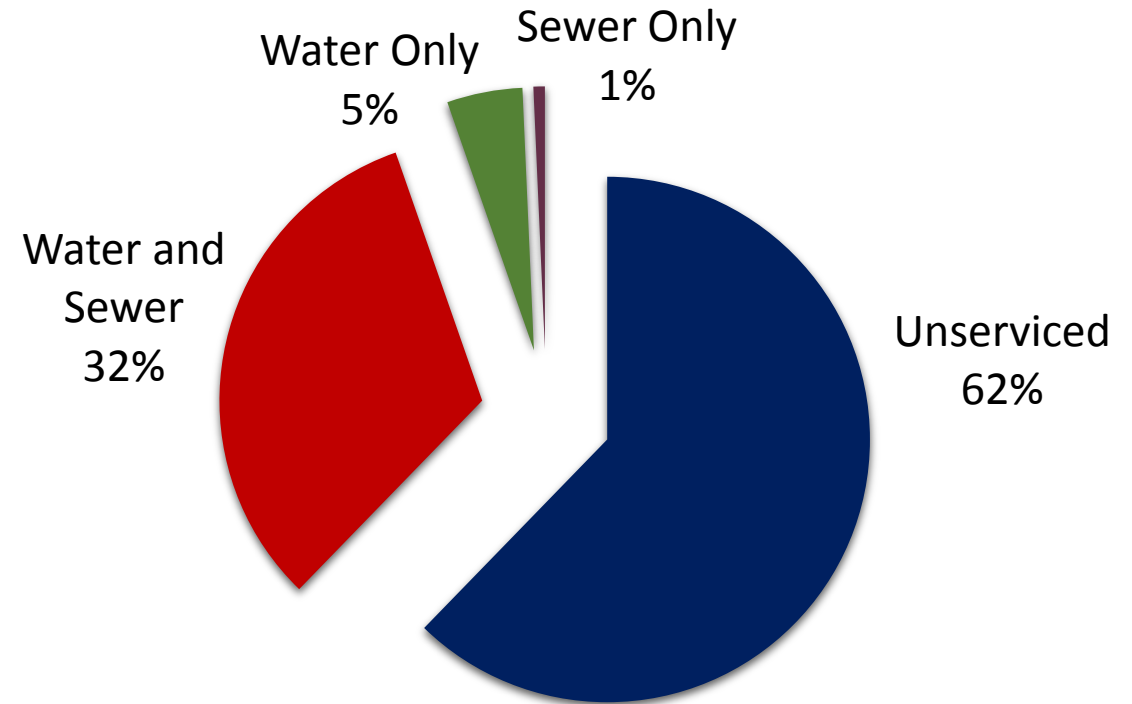
Households  
3,143

Water and Sewer  
1,018

Water Only  
146

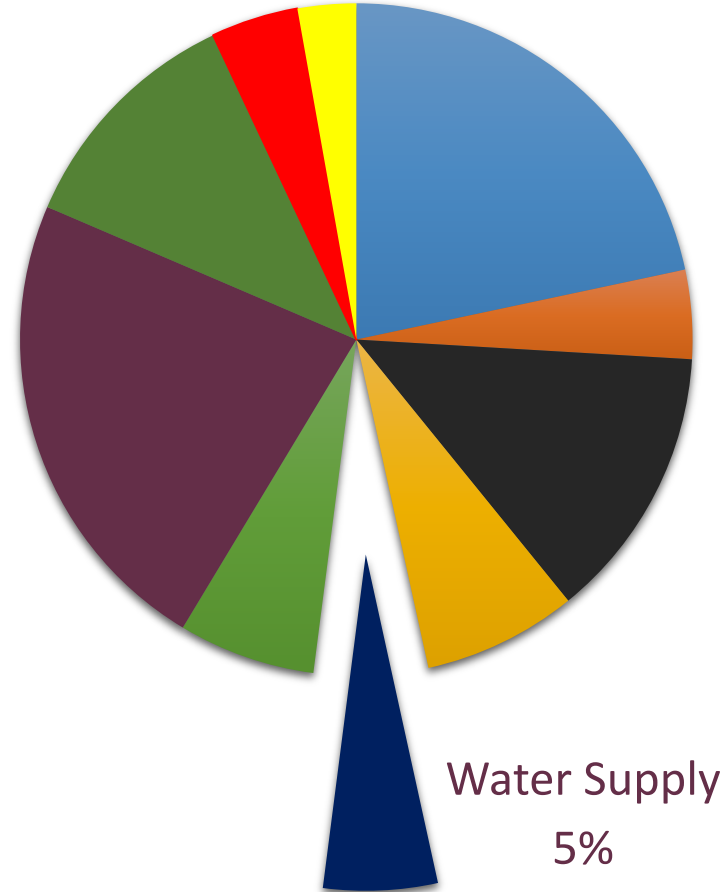
Sewer Only  
22

### How many residents are on water?

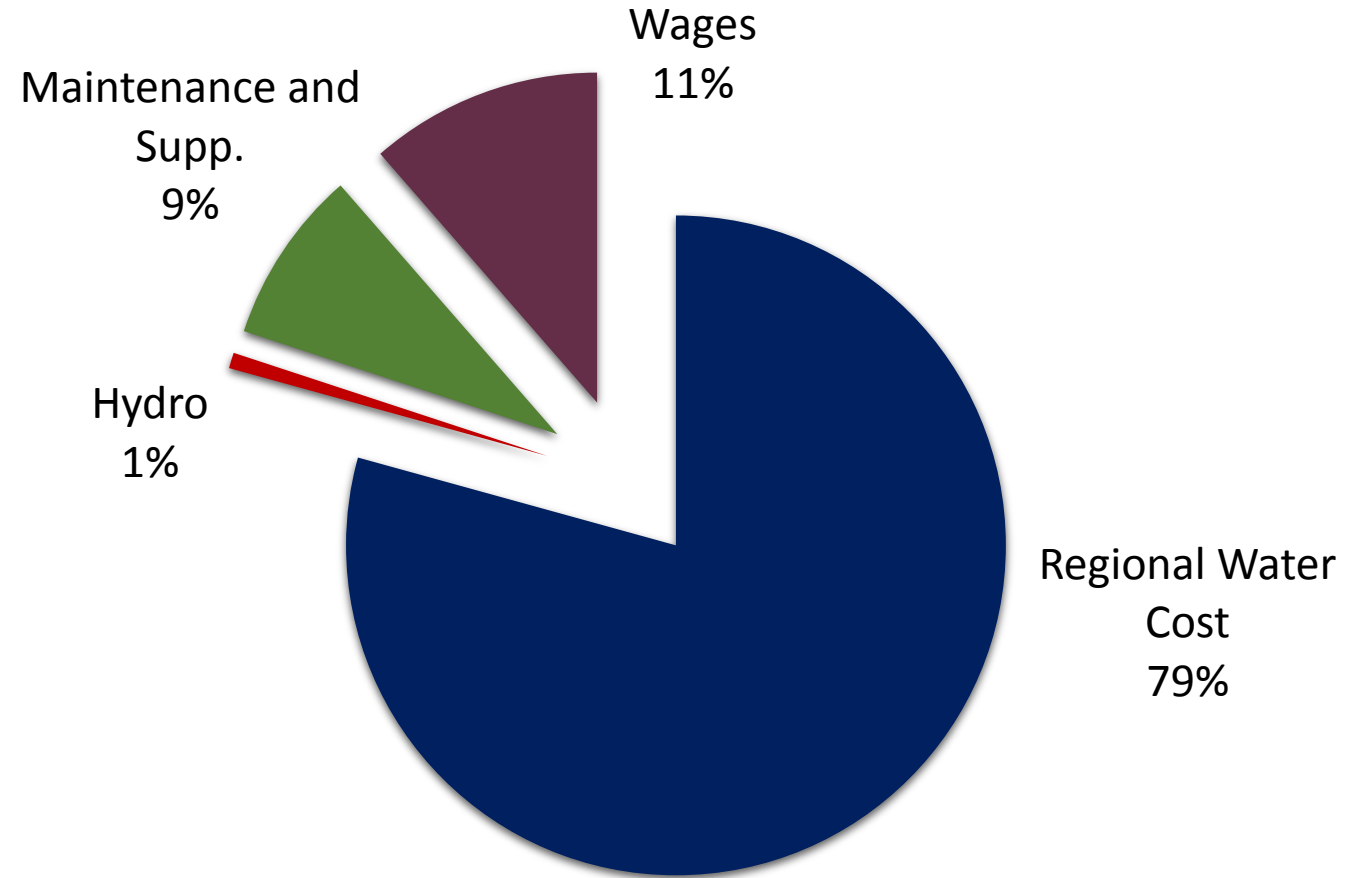


# Stats and Context

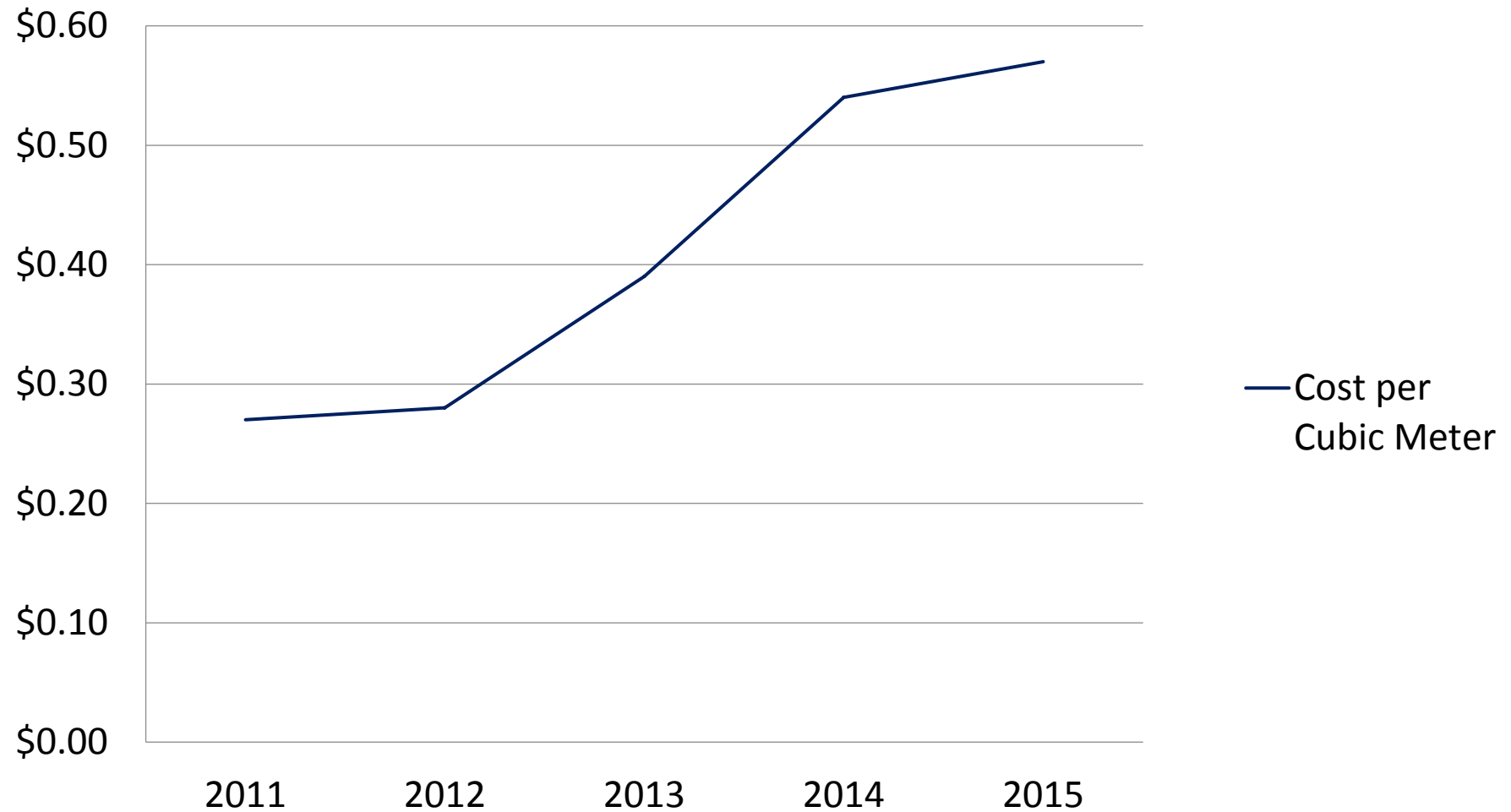
## *Total Expenses 2015*



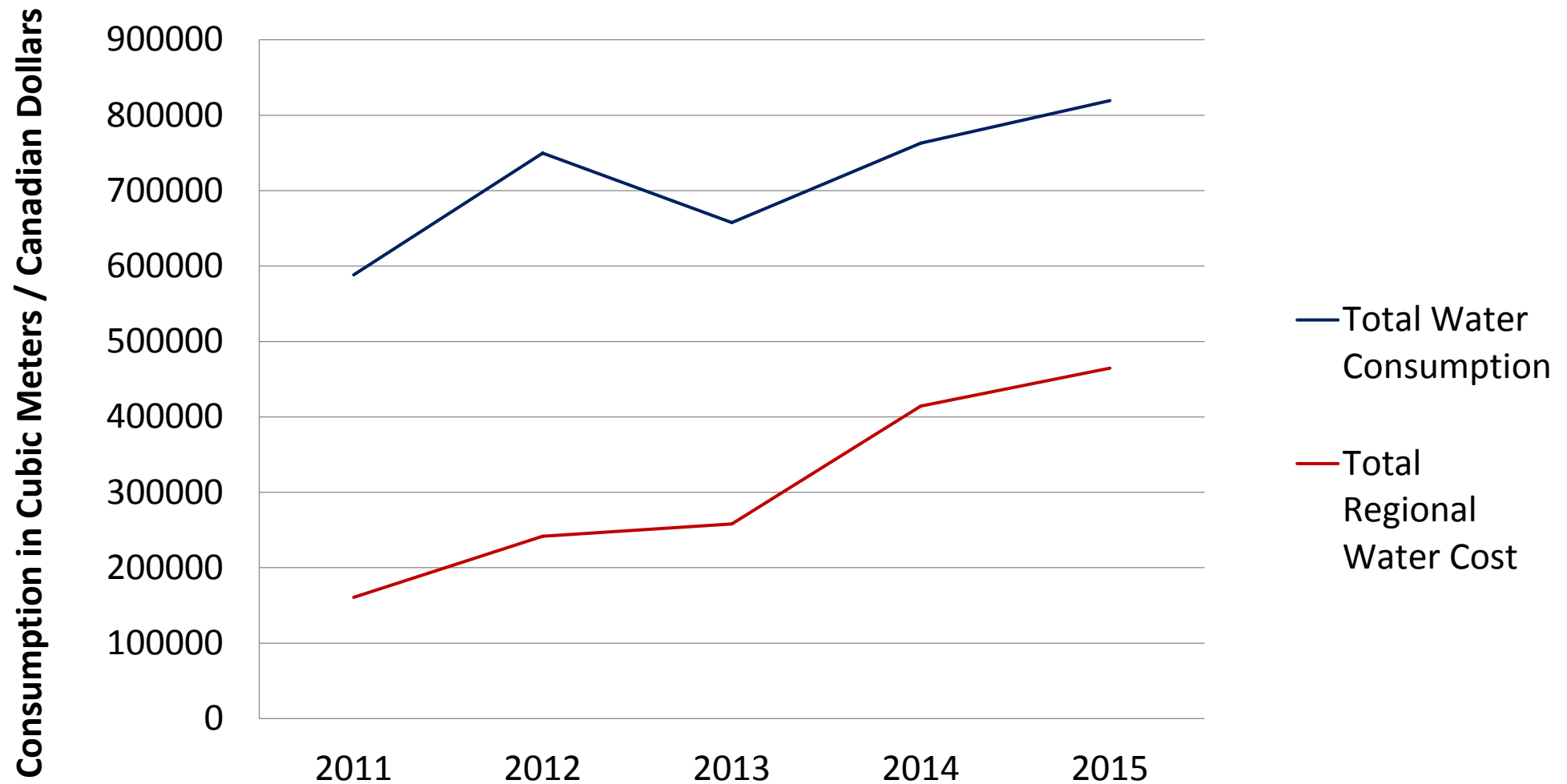
# What is Included in Water Supply?



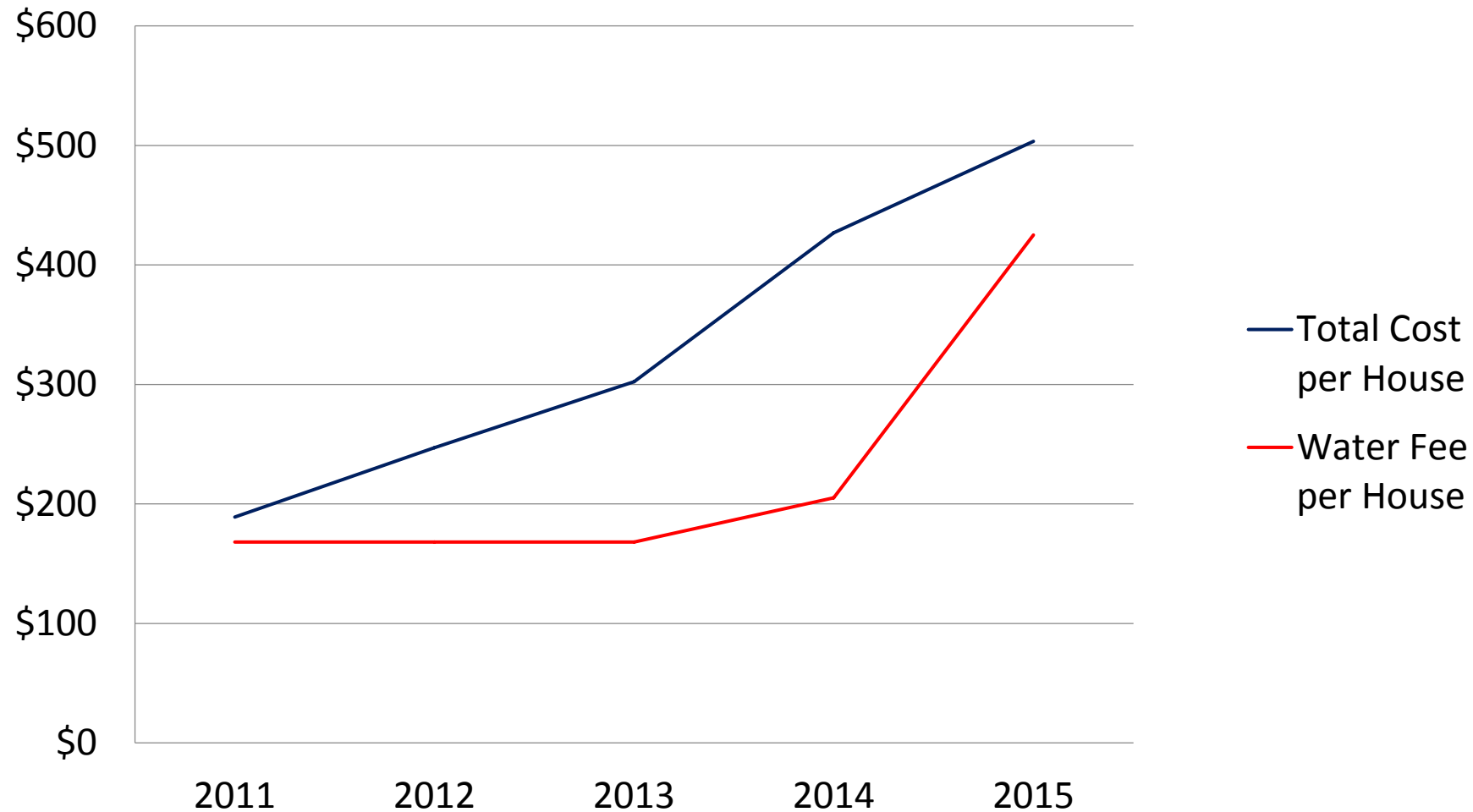
# Cost of Regional Water



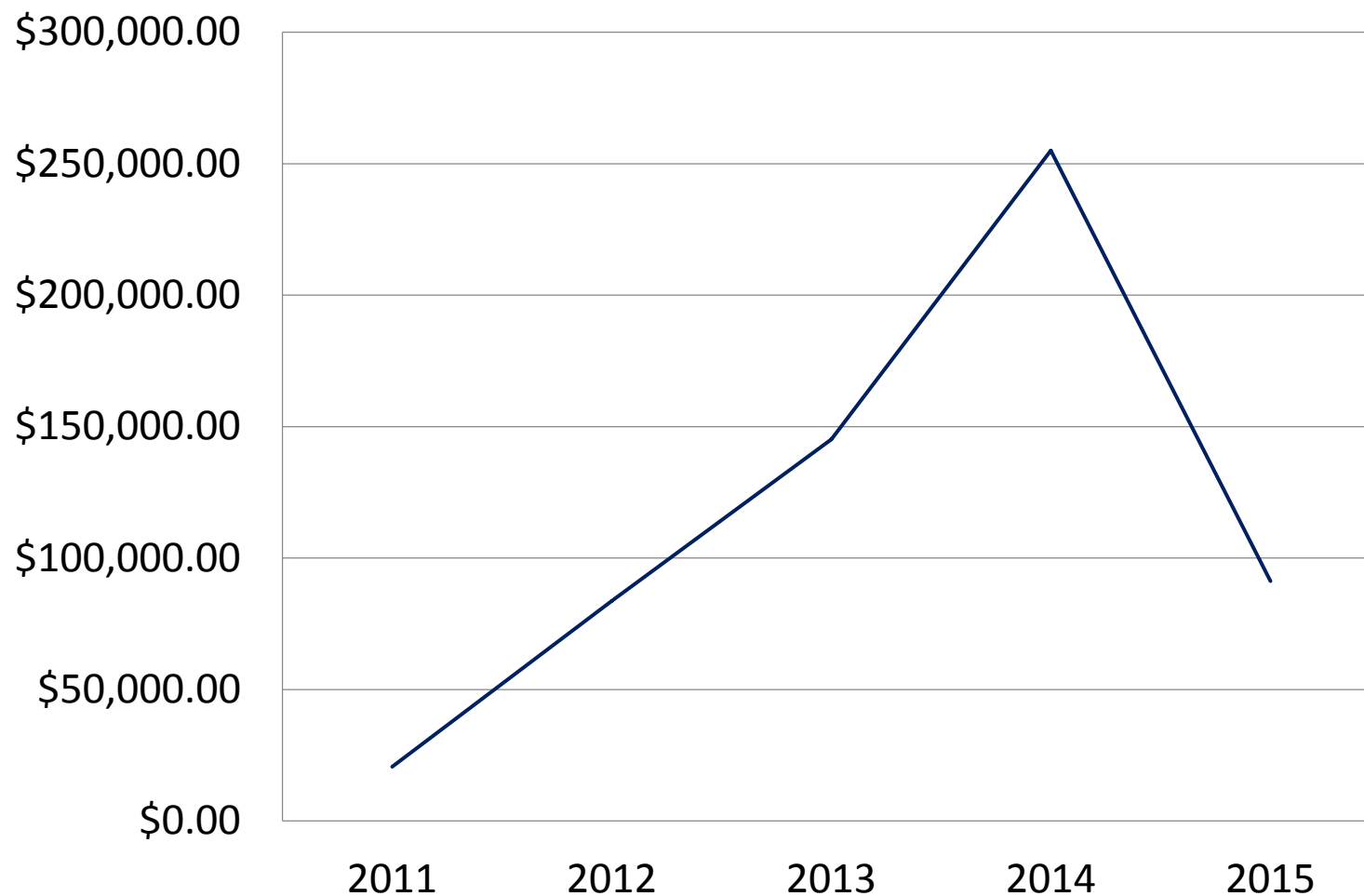
# Total Water Consumption and Cost



# Average Household Cost vs Water Fee



# Additional Impact on Overall Budget



## Whole Community Impact

In 2015  
\$91,178 equals approx 0.1 mil in PCSP

# Rationale

## So why water meter.....

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- Give more stability to mil rate
- A more fair way to charge users than current water fee
- Give residents more control of their bill
- Leak identification

# So why water meter.....

- Environmental and Financial Impact

Newfoundland and Labrador has the highest residential water use in Canada, per capita, per day, at 395 litres (Environment Canada, 2009)

Newfoundland and Labrador is the only province not to have water meters.

# What to expect....

- **Surrey BC**

2012 data shows that 95% of meter volunteers used less than the equivalent flat rate amount and are saving money.

# What to expect....

- **Calgary AB**

Approximately 90% of customers saved money when they switched to a water meter.

# What to expect....

**Canada** - Based on Environment Canada statistics

- In 2011, 58% of Canadian households were equipped with water meters compared to 52% in 1991.
- Over the same period, average daily water use dropped by 27% from 342 L/pers in 1991 to 251 L/pers in 2011.
- In 2009, Canadian households with meters on volume-based water pricing schemes used 73% less water than unmetered households on flat-rate water pricing schemes.

## What to expect....





# Your Project. Our Shoulders.

Ashley Smith	Director, Project Delivery
John Oliveira	Jr. Project Manager
Emma Power	Recorder



- Helping municipalities deliver projects successfully
- Provides Town staff with professional construction project management assistance
- Owner's Project Management has proven highly effective at delivering projects on time and on budget
- Manages project on behalf of the owner through all phases, including: 1. idea generation, 2. requirements gathering, 3. design management, 4. tendering, 5. construction, 6. commissioning and close-out

## CASE STUDY: City of Charlottetown, PEI

- Started voluntary metering in 2014
- 1000 meters installed to date
- 48 million litres (12.6 million gallons) saved during 2015
- Moving to mandatory water metering in 2016

*"We wanted to make the switch to a meter because we thought it was a great way for us to take responsibility for the water we use."*

- The Wilsons, Residents of Downtown Charlottetown

## CASE STUDY: City of Moncton, NB c

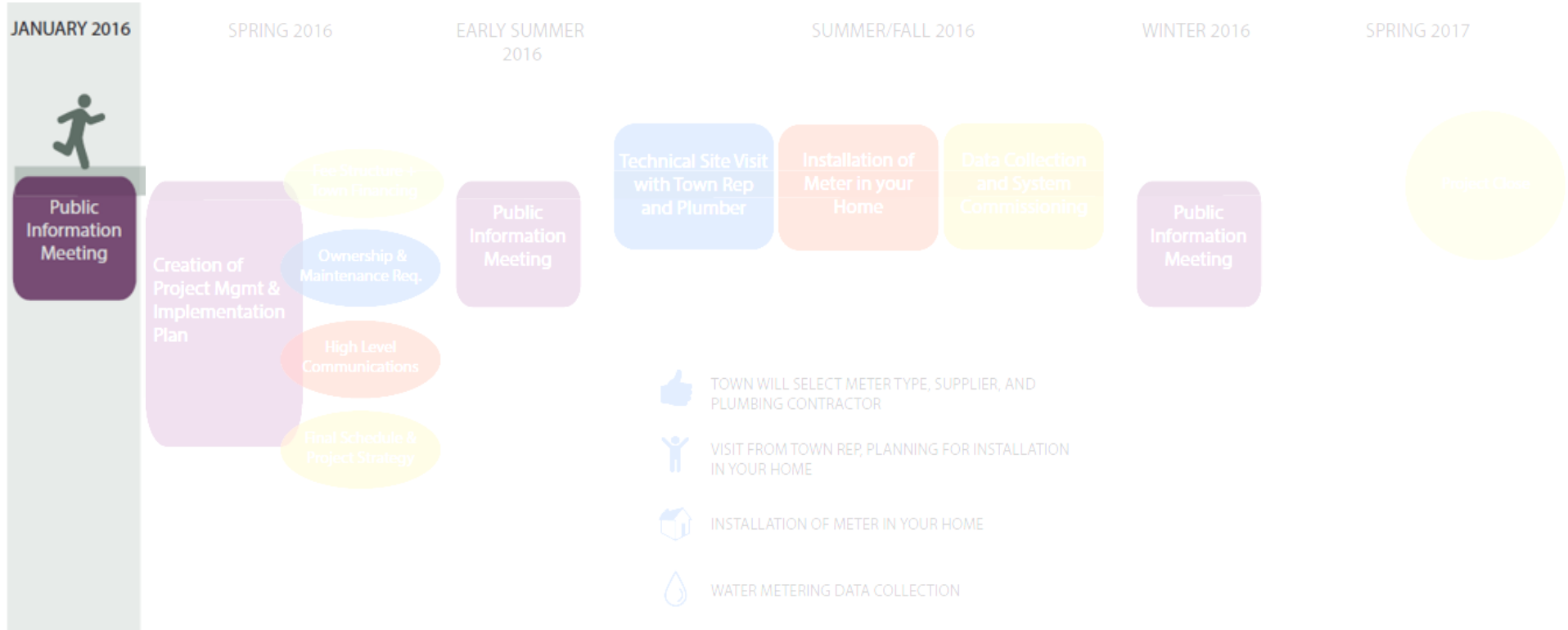
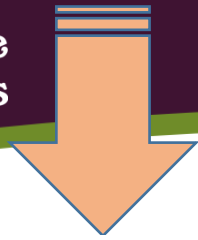
- One of the first municipalities in Canada to manage water usage
- Started metering in 1995
- In early 2015, launched a program to replace 18,000 meters for modern ones.
- Further savings in water usage encouraged this substitution.
- Meter selection involved thorough technical analysis and best pricing.

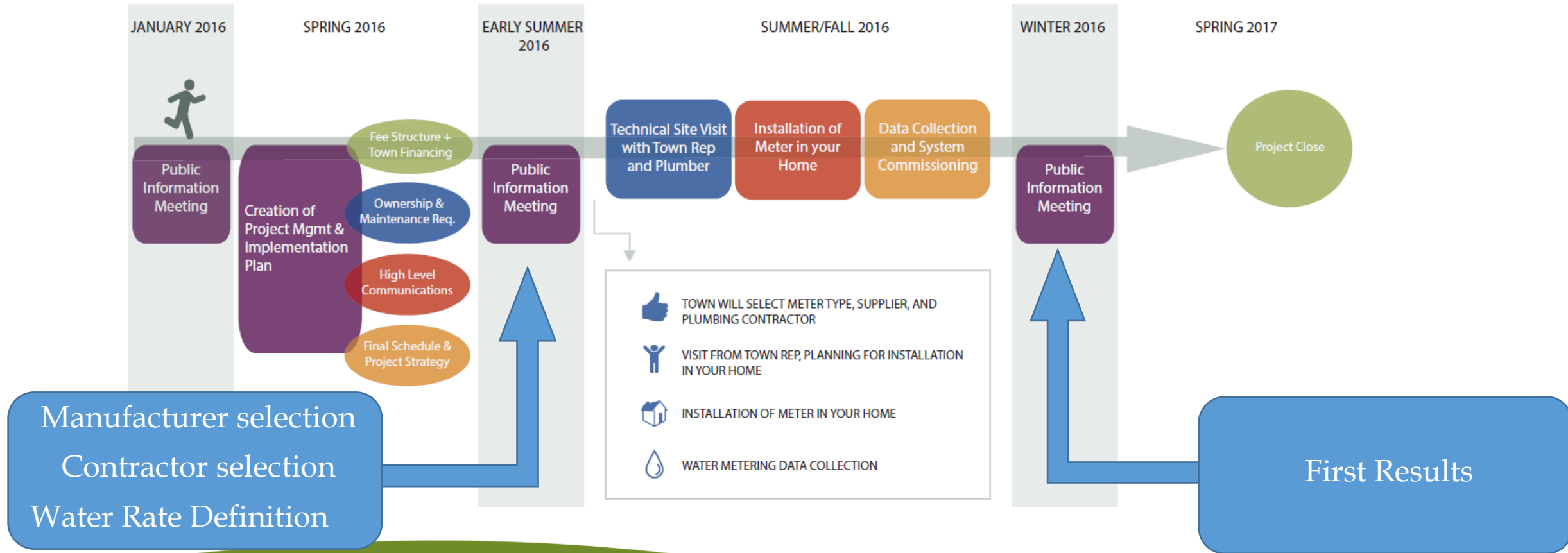
*"This system will eliminate all problems we had before and every house (...) in Moncton can be sure their bill will be accurate"*

*- Roy Leblanc, head of Moncton's water-meter systems.*

## Town of Portugal Cove – St. Philip's

- First municipality in Newfoundland and Labrador to implement responsible and sustainable use of water.
- Will install over 1100 meters.
- Meter selection criteria and procurement process will be similar to Moncton's.
- Let's see how!





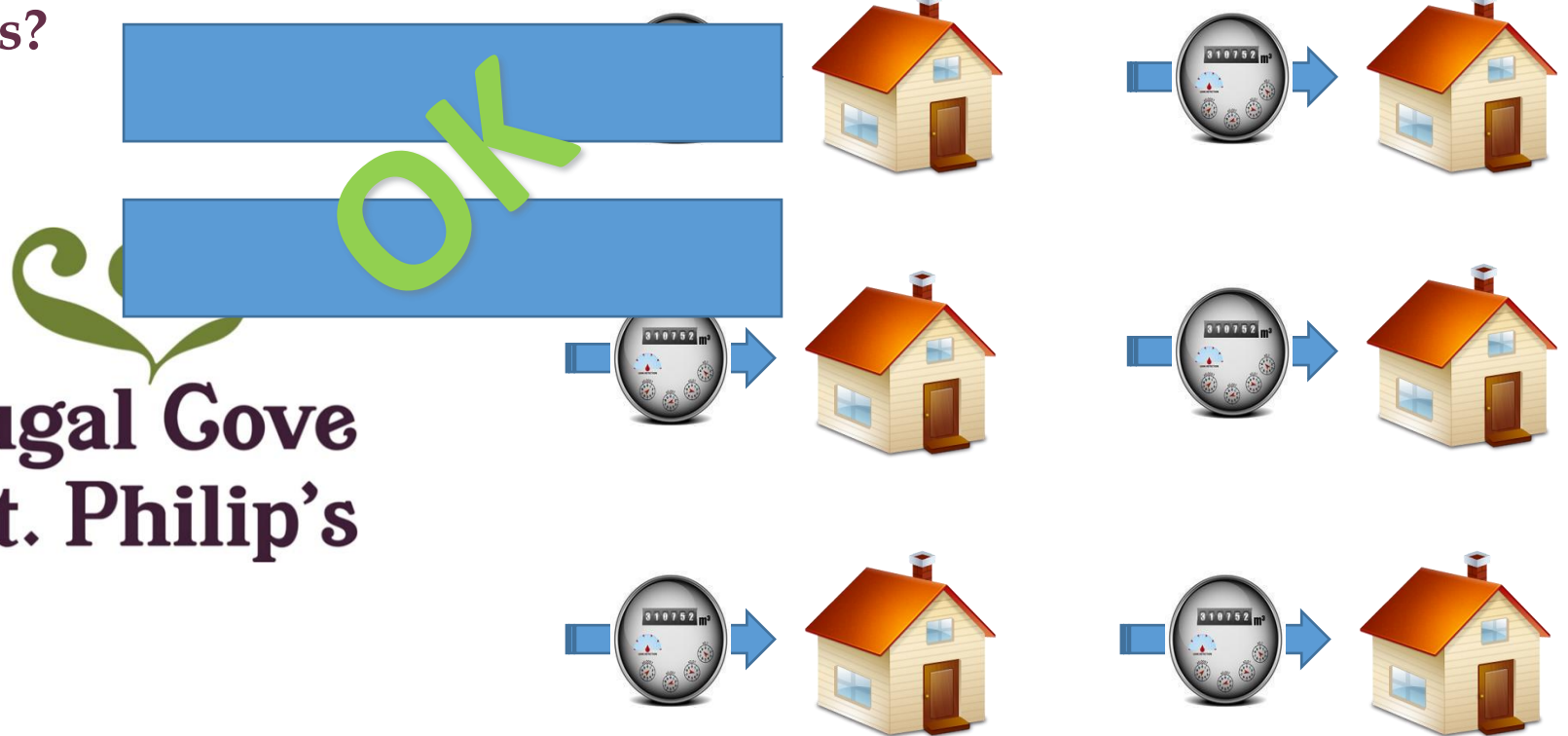
## How metering works?



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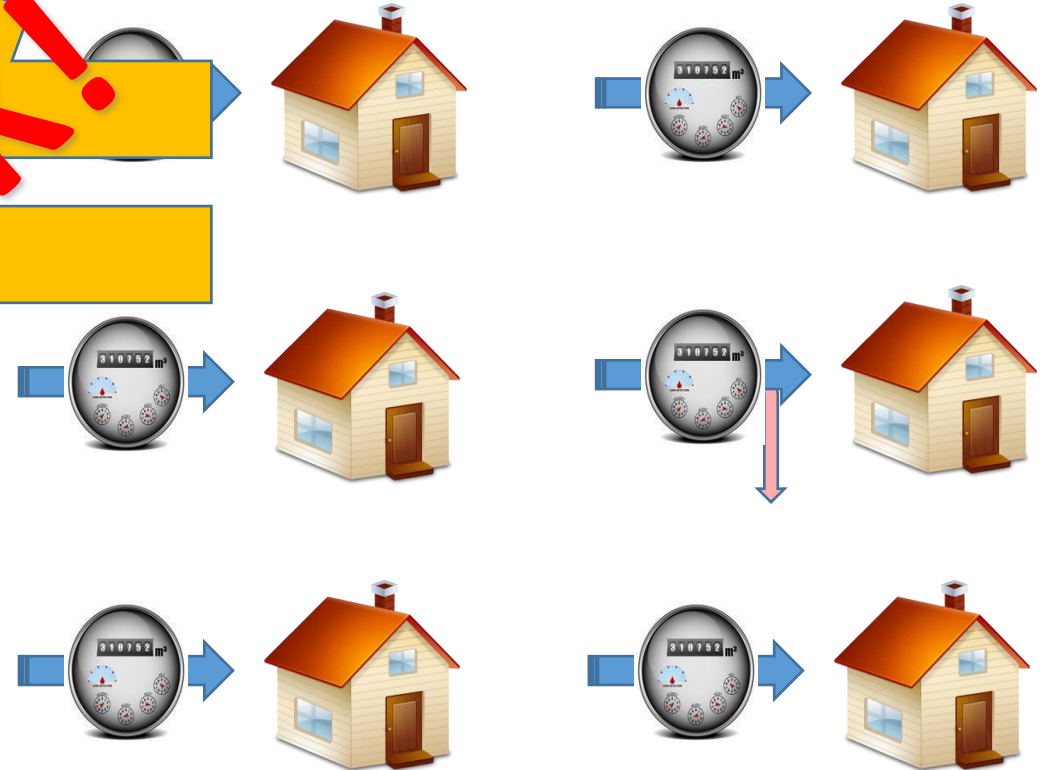
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How metering works?



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**THANK YOU VERY MUCH!**

